NEMO EVALUATION REPORT (NER)

SOPREMA, Inc.
310 Quadral Drive
Wadsworth, OH 44281
(800) 356-3521

SUBJECT:	**SOPREMA® Modified Bitumen Roof Systems**
SCOPE:	This NEMO Evaluation Report (henceforth 'NER') is issued under F.A.C. Rule 61G20-3 and the applicable rules and regulations governing Product Approval of construction materials in the State of Florida and ISO/IEC 17065 via NEMO|cert. NEMO Evaluations has evaluated the product described herein for compliance with the Code sections noted herein.
CODE:	2018 International Building Code 2018 International Building Code, Residential 2021 International Building Code 2021 International Building Code, Residential 2023 Florida Building Code, 8th Edition 2023 Florida Building Code, Residential, 8th Edition
FBC JURISDICTION:	Non-HVHZ and HVHZ
NEMO CATEGORY:	Modified Bitumen
FBC CATEGORY:	Roofing
FBC SUB-CATEGORY:	Modified Bitumen Roof Systems
CSI DIVISION:	07 00 00 Thermal and Moisture Protection 07 52 00 Modified Bituminous Sheet Roofing
FBC METHOD:	Method 1, Option C – Codified Material, Evaluation by Evaluation Entity
COMPLIANCE STATEMENT:	**SOPREMA Modified Bitumen Roof Systems**, as produced by **SOPREMA, Inc.**, have demonstrated compliance with the Code sections noted herein through testing in accordance with the referenced Standards, rational analysis and an ongoing quality assurance program. Compliance is subject to the Installation Requirements and Limitations of Use set forth herein.
QUALITY ASSURANCE:	Evidence of current quality assurance shall be listing and labeling in accordance with the requirements of NEMO|cert.
CONTINUED COMPLIANCE:	This NER is valid until such time the named product(s) change, the referenced Quality Assurance changes, or the evaluated Code provisions change. NEMO Evaluations requires, at minimum, a complete review of this NER with each 3-year Code Cycle.
BUILDING PERMIT REQUIREMENTS:	As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product.
ADVERTISEMENT:	"NEMO Evaluated" may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety.
CERTIFICATION OF INDEPENDENCE:	✓ NEMO CERT, LLC has not, nor does it intend to acquire or will they acquire, a financial interest in any company manufacturing or distributing products it evaluates. ✓ NEMO CERT, LLC is not owned, operated, or controlled by any company manufacturing or distributing products it evaluates. ✓ This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance

1. CODES, PROPERTIES AND STANDARDS:

CODE	SECTION	PROPERTY	STANDARD
2018 International Building Code	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.6	Physical properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1	Fire classification	UL 790
	1507.10.2, 1507.11.2.1	Material standard	ASTM D2178, D4601, D4897
	1507.11.2	Material standard	ASTM D6162, D6163, D6164, D6298
2018 International Building Code, Residential	R902.1	Fire classification	UL 790
	R905.9.2, R905.11.2.1	Material standard	ASTM D2178, D4601, D4897
	R905.11.2	Material standard	ASTM D6162, D6163, D6164, D6298
2021 International Building Code	1504.4.1	Wind resistance	FM 4474 or UL1897
	1504.7	Physical properties	ASTM G155
	1504.8	Impact resistance	FM 4470
	1505.1	Fire classification	UL 790
	1507.10.2, 1507.11.2.1	Material standard	ASTM D2178, D4601, D4897
	1507.11.2	Material standard	ASTM D6162, D6163, D6164, D6298
2021 International Building Code, Residential	R902.1	Fire classification	UL 790
	R905.9.2, R905.11.2.1	Material standard	ASTM D2178, D4601, D4897
	R905.11.2	Material standard	ASTM D6162, D6163, D6164, D6298
2023 Florida Building Code, 8th Edition	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.6	Physical properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1, 1516.1	Fire classification	UL 790
	1507.10.2, TAS 110	Material standard	ASTM D2178, D4601, D4897
	1507.11.2, TAS 110	Material standard	ASTM D6162, D6163, D6164, D6298
	TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9
	TAS 110	Wind resistance	TAS 114, Appendix C, D or J
	TAS 110	Susceptibility to Hail Damage	TAS 114, Appendix F
	TAS 110	Susceptibility to Leakage	TAS 114, Appendix G
2023 Florida Building Code, Residential, 8th Edition	R902.1	Fire classification	UL 790
	R905.9.2	Material standard	ASTM D2178, D4601, D4897
	R905.11.2	Material standard	ASTM D6162, D6163, D6164, D6298

2. PRODUCTS:

EVALUATED MEMBRANES				
TYPE	PRODUCT[1] NAME	MATERIAL STANDARD REFERENCE	TYPE	GRADE
BASE SHEETS	MODIFIED SOPRA G[2]	ASTM D4601	II	N/A
	SOPRABASE S	ASTM D4601	II	N/A
	SOPRABASE TG[2]	ASTM D4601	II	N/A
	ULTRA-STICK NAILBASE[2]	ASTM D4601	II	N/A
	SOPRA 4897[2]	ASTM D4897	N/A	N/A
PLY SHEETS	SOPRA IV[2]	ASTM D2178	IV	N/A
	SOPRA VI[2]	ASTM D2178	VI	N/A
MECHANICALLY ATTACHED, SMOOTH SBS MEMBRANES	SOPRAFIX Base 611[2]	ASTM D6164	I	S
	SOPRAFIX Base 612[2]	ASTM D6164	I	S
	SOPRAFIX Base 613[2]	ASTM D6164	I	S
	SOPRAFIX Base 622[2]	ASTM D6164	I	S
	SOPRAFIX Base 614[2]	ASTM D6164	II	S
BASE PLY MEMBRANES	ELASTOPHENE Flam HS[3]	ASTM D6162	III	S

[1] *Contact contact@nemocert.com for production location(s) of non-Certified products covered by QA/Surveillance services.*

[2] *NEMO Certified. Consult Directory of Certified Products for production location(s).*

EVALUATED MEMBRANES				
TYPE	PRODUCT[1]	MATERIAL STANDARD		
	NAME	REFERENCE	TYPE	GRADE
	ELASTOPHENE HS Sanded[3]	ASTM D6162	III	S
	COLVENT TG	ASTM D6163	I	S
	ELASTOPHENE Flam 2.2[3]	ASTM D6163	I	S
	ELASTOPHENE Flam 3.0[3]	ASTM D6163	I	S
	SELECT SBS GLASS FLAM	ASTM D6163	I	S
	ELASTOPHENE PS 2.2[3]	ASTM D6163	I	S
	ELASTOPHENE PS 3.0[3]	ASTM D6163	I	S
BASE PLY OR PLY MEMBRANES (CONTINUED):	ELASTOPHENE Sanded 2.2[3]	ASTM D6163	I	S
	ELASTOPHENE Sanded 3.0[3]	ASTM D6163	I	S
	ELASTOPHENE SP 2.2[3]	ASTM D6163	I	S
	ELASTOPHENE SP 3.0[3]	ASTM D6163	I	S
	ELASTOPHENE Stick[3]	ASTM D6163	I	S
	ELASTOPHENE ULTRA-STICK[3]	ASTM D6163	I	S
	COLVENT 180 TG	ASTM D6164	I	S
	COLVENT Flam 180 TG	ASTM D6164	I	S
	SOPRALENE 180 PS 2.2[3]	ASTM D6164	I	S
	SOPRALENE 180 PS 3.0[3]	ASTM D6164	I	S
	SOPRALENE 180 Sanded[3]	ASTM D6164	I	S
	SOPRALENE 180 Sanded 2.2[3]	ASTM D6164	I	S
	SOPRALENE 180 SP 3.0[3]	ASTM D6164	I	S
	SOPRALENE 180 SP 3.5[3]	ASTM D6164	I	S
	SOPRALENE Flam 180[3]	ASTM D6164	I	S
	SOPRALENE Flam Stick[3]	ASTM D6164	I	S
	SOPRALENE Stick[3]	ASTM D6164	I	S
	SOPRALENE ULTRA-STICK	ASTM D6164	I	S
	SOPRALENE 250 Sanded[3]	ASTM D6164	II	S
	SOPRALENE 250 SP[3]	ASTM D6164	II	S
	SOPRALENE Flam 250[3]	ASTM D6164	II	S
	SELECT SBS POLY FLAM	ASTM D6164	I	S
	SELECT SBS POLY SANDED	ASTM D6164	I	S
CAP PLY MEMBRANES	ELASTOPHENE Flam HS FR GR[3]	ASTM D6162	III	G
	ELASTOPHENE HS FR GR[3]	ASTM D6162	III	G
	ELASTOPHENE Flam FR GR[3]	ASTM D6163	I	G
	ELASTOPHENE Flam FR+ GR[3]	ASTM D6163	I	G
	ELASTOPHENE Flam LS FR GR[3]	ASTM D6163	I	G
	ELASTOPHENE FR GR[3]	ASTM D6163	I	G
	ELASTOPHENE FR+ GR[3]	ASTM D6163	I	G
	ELASTOPHENE LS FR GR[3]	ASTM D6163	I	G
	ELASTOPHENE Stick FR GR	ASTM D6163	I	G
	ELASTOPHENE ULTRA-STICK FR GR[3]	ASTM D6163	I	G
	ELASTOPHENE Stick HR FR GR	ASTM D6163	II	G
	SOPRALENE 180 FR GR[3]	ASTM D6164	I	G
	SOPRALENE Flam 180 FR GR[3]	ASTM D6164	I	G
	SOPRALENE Flam 180 GR[3]	ASTM D6164	I	G
	SOPRALENE ULTRA-STICK FR GR[3]	ASTM D6164	I	G
	SOPRALENE 250 FR GR	ASTM D6164	II	G

[3] *NEMO Certified. Consult Directory of Certified Products for production location(s).*

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LINK TO TOP OF ATTACHMENT REQUIREMENTS

EVALUATED MEMBRANES				
TYPE	PRODUCT[1]	MATERIAL STANDARD		
	NAME	REFERENCE	TYPE	GRADE
	SOPRALENE Flam 250 FR GR	ASTM D6164	II	G
	SOPRALAST 50 TV Alu[4]	ASTM D6298	N/A	N/A
	SOPRALAST 50 TV Alu Sanded[4]	ASTM D6298	N/A	N/A
	SELECT SBS POLY FLAM GR	ASTM D6164	I	G

EVALUATED ACCESSORIES		
TYPE	PRODUCT[1]	MATERIAL STANDARD
ADHESIVES:	COLPLY Adhesive	ASTM D3019, Type III
	COLPLY EF Adhesive	N/A
	DUOTACK	N/A
	DUOTACK 365	N/A
	DUOTACK SPF	N/A
	SOPRASPHALTE M	ASTM D6152
INSULATION:	SOPRABOARD	N/A
	SOPRASMART Board 180	N/A
	SOPRASMART Board 180 Sanded	N/A
	SOPRASMART ISO HD 180	N/A
	SOPRASMART ISO HD 180 Sanded	N/A
	SOPRASMART XP HD 180	N/A
	SOPRASMART XP HD 180 Sanded	N/A
	SOPRASMART XP ISO 180	N/A
	SOPRASMART XP ISO 180 Sanded	N/A
	SOPRA XPS	ASTM C578
PRIMERS:	ELASTOCOL 500	ASTM D41
	ELASTOCOL Stick	N/A
	ELASTOCOL Stick Zero	N/A
SURFACING:	ALSAN RS 230, ALSAN Trafik RS 730 or ALSAN RS 260 LO[4]	M-D PFR 13-1362
	ALSAN COATING AC 401	ASTM D6083
	ALSAN COATING SIL 402	ASTM D6694
VAPOR BARRIERS:	SOPRAVAP'R	N/A

COMPONENTS BY OTHERS (4.1.3)				
TYPE	SOPREMA	ACCEPTABLE ALTERNATE	FBC	NOA
ADHESIVES:	DUOTACK SP HFO	N/A	FL1365	22-0614.10
	N/A	Trufast Roofing Adhesive[4]	FL41878	21-0511.03
INSULATIONS:	SOPRA-ISO s	ACFoam II	FL17989	23-0207.02
	SOPRA-ISO+ s	ACFoam III		
	SOPRA-ISO r	H-Shield	FL5968	19-0521.04
	SOPRA-ISO+ r	H-Shield CG		
	N/A	ENRGY 3	FL4205	23-0509.05
	N/A	Multi-Max FA3	FL11207	22-0815.03
	N/A	Ultra-Max		
	N/A	Insulfoam II, VIII and IX	FL29563	22-0628.10
	N/A	DensDeck	FL1250	22-1223.04
	N/A	DensDeck Prime		
	N/A	DEXcell FA Glass Mat Roof Board	FL17840	20-0212.01

[4] *NEMO Certified. Consult Directory of Certified Products for production location(s).*

COMPONENTS BY OTHERS (4.1.3)				
TYPE	SOPREMA	ACCEPTABLE ALTERNATE	FBC	NOA
	N/A	DEXcell Cement Roof Board		
	N/A	SECUROCK Gypsum-Fiber Roof Board	FL4264	21-0923.05
	N/A	SECUROCK Cement Roof Board		
	N/A	Celcore Cellular Concrete	FL2037	23-0718.06
	N/A	Concrecel Lightweight Insulating Concrete	FL5584	21-1229.06
	N/A	Elastizell Lightweight Insulating Concrete	None	23-0817.05
	N/A	Mearlcrete	FL13492	19-0729.03
	N/A	NVS	N/A	23-1219.03
MECHANICAL FASTENERS:	SOPREMA #12 Fastener	Dekfast DF-#12-PH3	FL20311	22-0913.02
	SOPREMA #14 Fastener	Dekfast DF-#14-PH3		
	SOPREMA #15-EL Fastener	Dekfast DF-#15-PH3		
	SOPRAFIX 2 in. SB Stress Plate	Dekfast PTL-R-2-4B		
	SOPRAFIX 2 3/8 in. SB Stress Plate	Dekfast PLT-R-2-3/8-6B		
	SOPREMA 3 in. Insulation Plate	Dekfast PLT-R-3		
	N/A	Dekfast PLT-H-2-7/8		
	Tri-Fixx Fastener and Stress Plate	N/A		
	SOPREMA #12 DP Fastener	Trufast #12 DP	FL4500	22-1214.02
	SOPREMA #14 MP Fastener	Trufast #14 HD		
	SOPREMA #15 HD Fastener	Trufast #15 EHD		
	N/A	Trufast ¼" Concrete Spike		
	SOPREMA Versa-Fast Fastener	Trufast VERSA-FAST Metal Plate		
	SOPREMA 2" Seam Plate	Trufast 2" Barbed Metal Seam Plate		
	SOPREMA 2.4" Seam Plate	Trufast 2.4" Scoop Seam Plate		
	SOPREMA 3" Metal Insulation Plate	Trufast 3" Metal Insulation Plate		
	SOPREMA Versa-Fast Plate	Trufast VERSA-FAST Metal Plate		
	SOPRAFIX MBB or MBB-R	Trufast Flat or Recessed Batten Bar		
	SOPREMA 1.2 in. Base Sheet Fastener	Trufast FM-75 Base Sheet Fastener		
	SOPREMA 1.7 in. Base Sheet Fastener	Trufast FM-90 Base Sheet Fastener		
	SOPREMA Twin-Loc Nail	Trufast Twin Loc-Nail Assembled Fastener		
	N/A	OMG #12 Standard Roofgrip	FL699	23-0718.03
	N/A	OMG #14 Heavy Duty		
	N/A	OMG #15 Roofgrip Large Head		
	N/A	OMG CD-10		
	N/A	OMG Polymer GypTec Fastener		
	N/A	OMG 3" Galvalume Steel Plate		
	N/A	OMG AccuTrac Plate		
	N/A	OMG AccuTrac Flat Bottom		
	N/A	OMG Polymer GypTec Plate		
	N/A	OMG Polymer Batten Strip		
	N/A	OMG CR Assembled Base Sheet Fastener		
	N/A	ACE #12 Fastener	FL41667	N/A
	N/A	ACE #15 Fastener		
	N/A	ACE 3" BE Insulation Plate		
	N/A	ACE 3" WW Insulation Plate		
PRIMERS:	N/A	TruGround Conductive Primer	N/A	N/A

3. INSTALLATION:

3.1 **SOPREMA Modified Bitumen Roof Systems** shall be installed in accordance with **SOPREMA, Inc.** published installation instructions, subject to the Limitations of Use noted herein.

3.1.1 Fasteners: Unless otherwise noted, fasteners and stress plates shall be as follows. Recessed plates are not for use with hardboard (e.g., gypsum-based or cement) insulations. Fasteners shall be of sufficient length for the following engagements.

FASTENER REFERENCES		
ROOF DECK	**PARTS**	**FASTENER ENGAGEMENT**
WOOD, ENGINEERED SHEATHING OR PLANK	ACE #12 or ACE #15 with ACE 3" BE Insulation Plate or ACE 3" WW Insulation Plate *(with polyisocyanurate insulation, SOPRABOARD, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board)*	Min. 0.75-inch penetration (engineered sheathing) or min. 1-inch embedment (plank)
	Trufast #14 HD with Trufast 3" Metal Insulation Plate	
	OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or AccuTrac Flat Bottom	
	Dekfast DF-#14-PH3 with PLT-H-2-7/8 or PLT-R-3	
	SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate, SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	
STEEL	ACE #12 or ACE #15 with ACE 3" BE Insulation Plate or ACE 3" WW Insulation Plate *(with polyisocyanurate insulation, SOPRABOARD, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board)*	Min. 0.75-inch penetration
	Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate	
	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with AccuTrac Plate or AccuTrac Flat Bottom, OMG #12 Standard Roofgrip or HD with OMG 3 in. Galvalume Steel Plate	
	Dekfast DF-#12-PH3 or DF-#14-PH3 with PLT-R-3	
	SOPREMA #12 or #14 Fastener with SOPREMA 3 in. Insulation Plate, SOPREMA #12 DP or #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	
STRUCTURAL CONCRETE	ACE #15 with ACE 3" BE Insulation Plate or ACE 3" WW Insulation Plate *(with polyisocyanurate insulation, SOPRABOARD, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board)*	Non-HVHZ: Min. 1-inch embedment HVHZ: Min. 1.25-inch embedment
	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 3" Metal Insulation Plate	
	OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate, AccuTrac Plate or AccuTrac Flat Bottom or OMG CD-10 with OMG 3 in. Galvalume Steel Plate	
	Dekfast DF-#14-PH3 with PLT-R-3	
	SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	

3.1.2 Insulation:

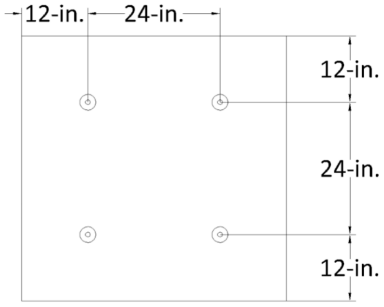
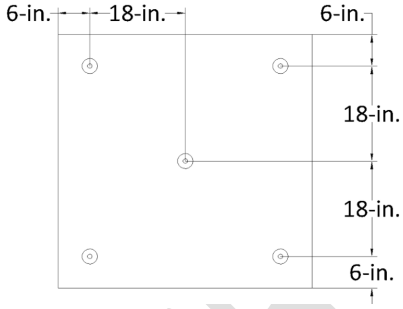
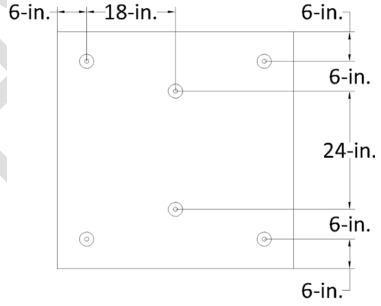
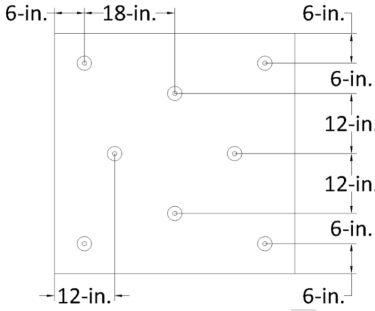
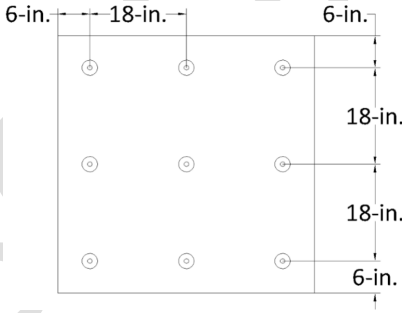
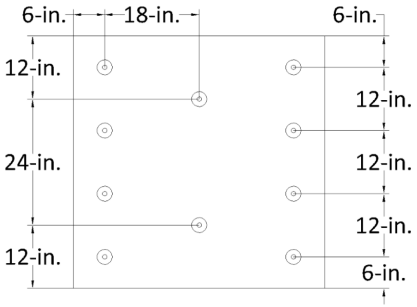
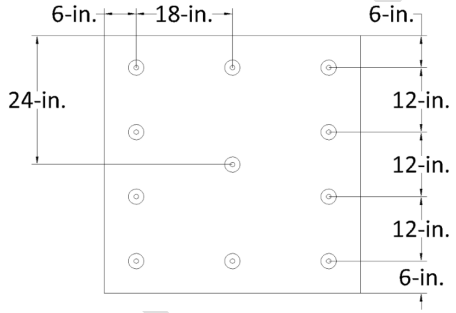
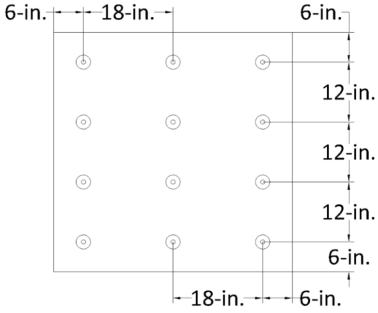
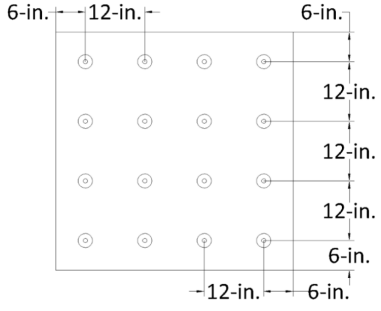
(a) Unless otherwise noted, insulation may be any one layer or combination of Approved board(s) that meet IBC 1505, IBC R902, FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, IBC/FBC Chapter 26, when installed with the roof cover.

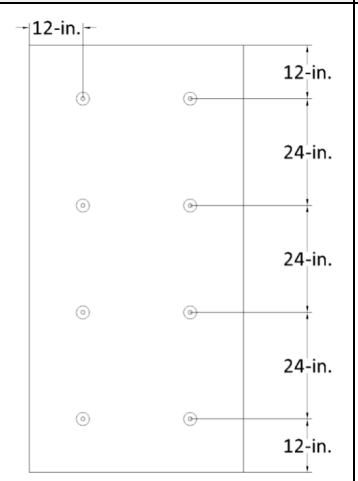
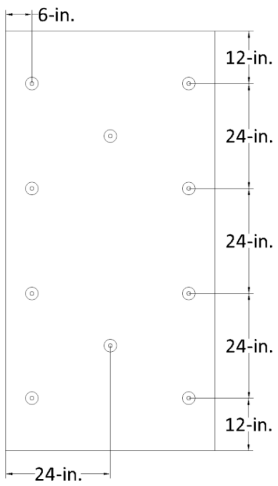
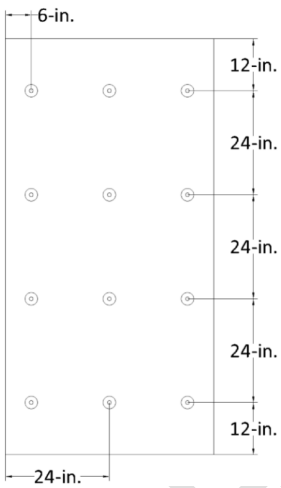
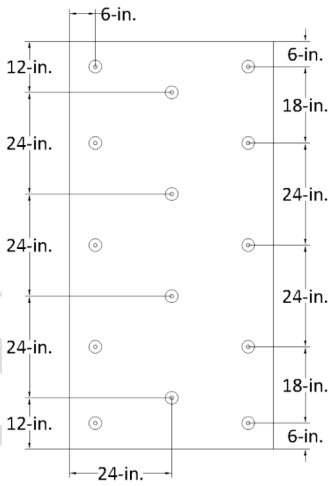
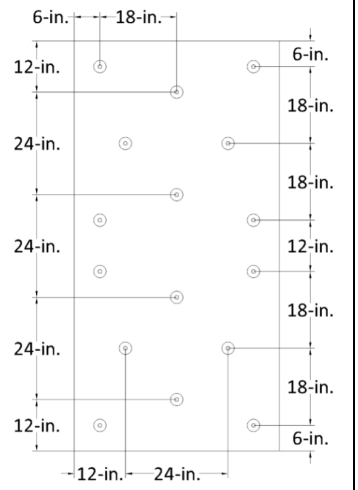
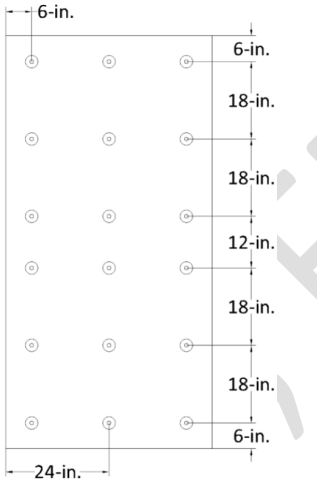
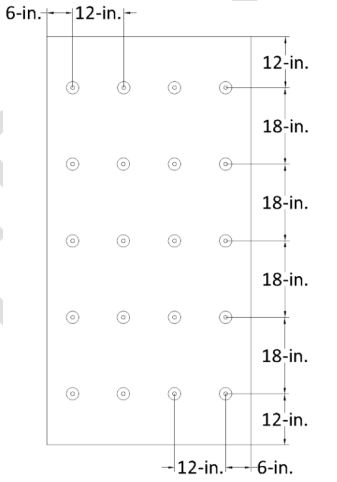
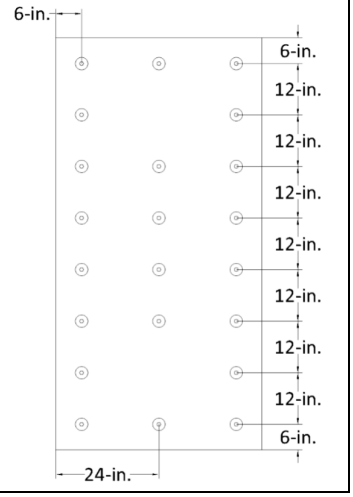
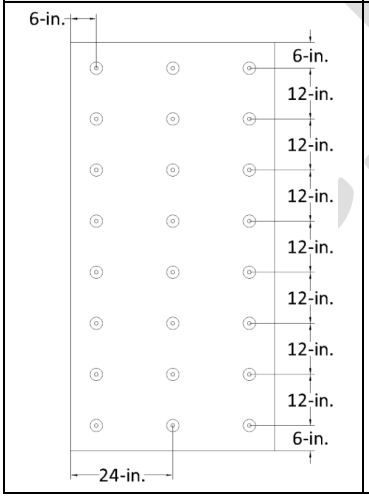
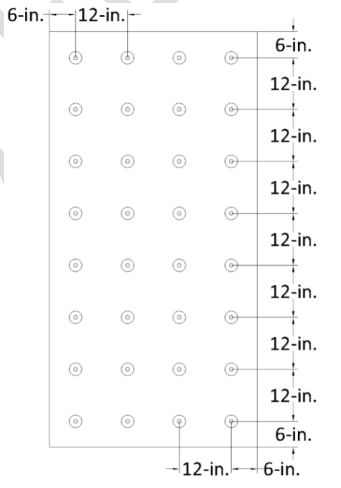
(b) For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional, and using System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation. The separator component shall be documented as meeting IBC 1505, IBC R902, FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.

(c) Minimum 200 psi, minimum 2-inch thick Approved lightweight insulating concrete may be substituted for, or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.

(d) Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Florida Product Approval or NOA for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC 1917.4.1, Point 1. For "pre-existent" LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.

(e) Unless otherwise noted, rigid board insulation or coverboard attachment patterns for Type B-1, B-2 and C-1 systems are as outlined below.

INSULATION ATTACHMENT PATTERNS – 4X4 FT BOARDS		
1 per 4.0 ft² (4 per board)	**1 per 3.2 ft² (5 per board)**	**1 per 2.7 ft² (6 per board)**
		
1 per 2.0 ft² (8 per board)	**1 per 1.8 ft² (9 per board)**	**1 per 1.6 ft² (10 per board)**
		
1 per 1.45 ft² (11 per board)	**1 per 1.3 ft² (12 per board)**	**1 per 1.0 ft² (16 per board)**
		

INSULATION ATTACHMENT PATTERNS – 4X8 FT BOARDS			
1 per 4.0 ft² (8 per board)	**1 per 3.2 ft² (10 per board)**	**1 per 2.7 ft² (12 per board)**	**1 per 2.3 ft² (14 per board)**
			
1 per 2.0 ft² (16 per board)	**1 per 1.8 ft² (18 per board).5 ft**	**1 per 1.6 ft² (20 per board)**	**1 per 1.45 ft² (22 per board)**
			
1 per 1.3 ft² (24 per board)	**1 per 1.0 ft² (32 per board)**		
			

(f) Preliminary insulation attachment for Type D-1 or D-2 systems:

- IBC or FBC Non-HVHZ: Unless otherwise noted, use Approved roofing fasteners and plates and refer to Section 2.2.10.1.3 of FM Loss Prevention Data Sheet 1-29.
- FBC HVHZ: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners and plates; minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.

3.1.3 Insulation Adhesives:

(a) Unless otherwise noted, insulation adhesive application rate is continuous ribbons, maximum 12-inch o.c. Ribbons shall be applied and insulation boards shall be set in accordance with the manufacturer's published instructions. When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, boards shall be staggered from layer-to-layer. The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing. Concrete deck shall be primed with ASTM D41 primer prior to asphalt-application.

INSULATION ADHESIVE REFERENCES		
ADHESIVE	MINIMUM RATE	NOTE
DUOTACK	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.	DUOTACK 365 may be used anywhere DUOTACK is referenced.
DUOTACK 365	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.	
DUOTACK SPF	Continuous 2.5 wide ribbons, 12-inch o.c.	DUOTACK SPF may be used for insulation securement anywhere DUOTACK is referenced, except directly to existing gypsum decks, in recover applications over existing smooth-surfaced asphaltic built-up roof (BUR) or when used to adhere expanded polystyrene
DUOTACK SPF HFO	Continuous 2.5-3.5 wide ribbons, 12-inch o.c.	
Trufast RA	Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.	
ASTM D312, Type IV asphalt	hot asphalt	Full-coverage at 25-30 lbs/square

(b) Unless otherwise noted, all adhered insulations are flat-stock or taper board of the minimum thickness noted. Tapered polyisocyanurate at the following thickness limitations may be substituted with the following Maximum Design Pressure (MDP) limitations. In no case shall these values be used to 'increase' the MDP listings in the tables; rather if MDP listing below meets or exceeds that listed for a particular system in the tables, then the thinner board listed below may be used as a drop-in for the equivalent thicker material listed in the selected assembly.

MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS			
ADHESIVE	INSULATION	MIN. TAPERED THICKNESS (IN)	MDP (PSF)
DUOTACK, DUOTACK 365 or DUOTACK SPF	Any polyisocyanurate listed with adhesive herein	0.5	-157.5
DUOTACK SPF HFO	Any polyisocyanurate listed with adhesive herein	1.0	-117.5

(c) Adhered Insulation, Board Size:

- IBC and FBC non-HVHZ: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29.
- FBC HVHZ: Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

3.1.4 Roof Covers:

(a) For bonded membrane applications, unless otherwise noted, refer to the following.

MEMBRANE / ADHESIVE COMBINATIONS			
REFERENCE	LAYER	MATERIAL	APPLICATION
SBS-CA2	Base Ply:	SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SOPRALENE 180 PS 2.2✧, SOPRALENE 180 PS 3.0✧, SOPRALENE 250 Sanded, SELECT SBS POLY SANDED	**COLPLY EF Adhesive,** 0.5 to 1-inch wide ribbons spaced as noted
	Cap Ply:	SOPRALENE 180 FR GR, SOPRALENE 250 FR GR	
SBS-CA3	Base Ply or Ply:	ELASTOPHENE HS Sanded, ELASTOPHENE Sanded 2.2, ELASTOPHENE Sanded 3.0, ELASTOPHENE PS 2.2✧, ELASTOPHENE PS 3.0✧, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SOPRALENE 180 PS 2.2✧, SOPRALENE 180 PS 3.0✧, SOPRALENE 250 Sanded, SELECT SBS POLY SANDED	**COLPLY EF Adhesive** at 1.5 – 2.5 gal/square
	Cap Ply:	ELASTOPHENE HS FR GR, ELASTOPHENE LS FR GR, ELASTOPHENE FR GR, ELASTOPHENE FR+ GR, SOPRALENE 180 FR GR, SOPRALENE 250 FR GR	
SBS-CA4	Base Ply or Ply:	ELASTOPHENE HS Sanded, ELASTOPHENE Sanded 2.2, ELASTOPHENE Sanded 3.0, ELASTOPHENE PS 2.2✧, ELASTOPHENE PS 3.0✧, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SOPRALENE 180 PS 2.2✧, SOPRALENE 180 PS 3.0✧, SOPRALENE 250 Sanded, SELECT SBS POLY SANDED	**COLPLY Adhesive** at 1.5 - 2 gal/square
	Cap Ply:	ELASTOPHENE HS FR GR, ELASTOPHENE LS FR GR, ELASTOPHENE FR GR, ELASTOPHENE FR+ GR, SOPRALENE 180 FR GR, SOPRALENE 250 FR GR	
BP-AA	Base Ply or Ply:	One or more MODIFIED SOPRA G, SOPRABASE S, SOPRA IV, SOPRA VI	**Hot asphalt** at 20-40 lbs/square
SBS-AA	Base Ply or Ply:	ELASTOPHENE HS Sanded, ELASTOPHENE Sanded 2.2, ELASTOPHENE Sanded 3.0, ELASTOPHENE PS 2.2✧, ELASTOPHENE PS 3.0✧, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SOPRALENE 180 PS 2.2✧, SOPRALENE 180 PS 3.0✧, SOPRALENE 250 Sanded, SELECT SBS POLY SANDED	
	Cap Ply:	ELASTOPHENE HS FR GR, ELASTOPHENE LS FR GR, ELASTOPHENE FR GR, ELASTOPHENE FR+ GR, SOPRALENE 180 FR GR, SOPRALENE 250 FR GR	
SBS-AA2	Base Ply or Ply:	ELASTOPHENE HS Sanded, ELASTOPHENE Sanded 2.2, ELASTOPHENE Sanded 3.0, ELASTOPHENE PS 2.2✧, ELASTOPHENE PS 3.0✧, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SOPRALENE 180 PS 2.2✧, SOPRALENE 180 PS 3.0✧, SOPRALENE 250 Sanded, SELECT SBS POLY SANDED	**SOPRASPHALTE M** at 25 lbs/square
	Cap Ply:	ELASTOPHENE HS FR GR, ELASTOPHENE LS FR GR, ELASTOPHENE FR GR, ELASTOPHENE FR+ GR, SOPRALENE 180 FR GR, SOPRALENE 250 FR GR	
SBS-TAP	Base Ply:	COLVENT TG, COLVENT 180 TG, COLVENT Flam 180 TG✧	**Torch-Applied**, Partial Bond
SBS-TAF	Base Ply or Ply:	ELASTOPHENE Flam HS✧, ELASTOPHENE Flam 2.2✧, ELASTOPHENE Flam 3.0✧, ELASTOPHENE SP 2.2, ELASTOPHENE SP 3.0, SOPRALENE Flam 180✧, SOPRALENE 180 SP 3.0, SOPRALENE 180 SP 3.5, SOPRALENE Flam 250✧, SOPRALENE 250 SP 4.0, SELECT SBS POLY FLAM, SELECT SBS GLASS FLAM✧	**Torch-Applied**, Full Bond
	Cap Ply:	ELASTOPHENE Flam HS FR GR, ELASTOPHENE Flam LS FR GR, ELASTOPHENE Flam FR GR, ELASTOPHENE Flam FR+ GR, SOPRALENE Flam 180 GR, SOPRALENE Flam 180 FR GR, SOPRALENE Flam 250 FR GR, SOPRALAST 50 TV Alu, SELECT SBS POLY FLAM GR	
SBS-SA1	Base Ply or Ply:	ELASTOPHENE Stick, SOPRALENE Stick, SOPRALENE Flam Stick✧	**Self-Adhering**, Full Bond
	Cap Ply:	ELASTOPHENE Stick FR GR, ELASTOPHENE Stick HR FR GR	
SBS-SA2	Base Ply:	ELASTOPHENE ULTRA-STICK, SOPRALENE ULTRA-STICK	**Self-Adhering**, Full Bond
	Cap Ply:	ELASTOPHENE ULTRA-STICK FR GR, SOPRALENE ULTRA-STICK FR GR	
Notes:	Base Ply and Ply membranes marked with an asterisk (✧) have a poly-film top surface, and require installation of a torch-applied membrane overtop.		
	Sand-surfaced membranes shall be primed with ELASTOCOL 500, ELASTOCOL Stick or ELASTOCOL Stick Zero prior to application of subsequent SBS-SA1 membranes.		
	Sand-surfaced membranes may be optionally primed with ELASTOCOL 500 prior to application of subsequent SBS-CA3, SBS-CA4 or SBS-TAF membranes.		
	SOPRABOARD may be optionally primed with Detec Systems “TruGround Conductive Primer” prior to application of SBS-CA3 or SBS-TAF membranes.		
	“SG” granules are an acceptable alternate granule color for all granule-surfaced SOPREMA cap membranes.		

(b) SOPRAFIX Installations:

For steel deck applications, SOPRAFIX base sheet shall be run with its length perpendicular to the steel deck flutes.

SOPRAFIX Base 611, SOPRAFIX Base 612, SOPRAFIX Base 613, SOPRAFIX Base 614 and SOPRAFIX Base 622 laps are heat or hot air welded. Welding is limited to hot air when using Polymer Batten Bars.

Insulation is required in New Construction or Re-Roof (Tear-Off), Steel Deck applications. Insulation is optional in New Construction or Re-Roof (Tear-Off), Wood, Structural Concrete or CWF applications or Recover applications. Insulation shall not be installed atop New Construction, Lightweight Insulating Concrete Decks.

Top layer of insulation shall be preliminarily attached.

(c) The following surfacing may be applied to the Cap Ply without adverse effect on the system wind load performance. Refer to Section 4.1.4 herein.

SURFACING OPTIONS	
OPTION #	**SURFACING**
SURF-1.	ALSAN RS 230 Field, ALSAN Trafik RS 730 Field or ALSAN RS 260 LO Field liquid-applied, reinforced membrane, or ALSAN RS 230 Flash, ALSAN Trafik RS 730 Flash or ALSAN RS 260 LO Flash liquid-applied flashing membrane
SURF-2.	ALSAN Coating AC 401 acrylic roof coating (to granule surface only)
SURF-3.	ALSAN COATING SIL 402 silicone roof coating (to granule surface only)
SURF-4.	Flood coat of hot asphalt at 60 lbs/square followed by embedded gravel at 400 lbs/square.
SURF-5.	COLPLY Adhesive at 4 gal/square followed by embedded gravel at 400 lbs/square.

3.1.5 Vapor Barriers:

(a) For System Types B-1, B-2, C-1, C-2, D-1 or D-2, an optional thermal barrier and/or SOPRAVAP'R vapor barrier membrane may be installed atop the roof deck prior to installation of the insulation and roof cover. Refer to FM Loss Prevention Data Sheet 1-29 for design and installation recommendations and limitations.

(b) Refer to Section 4.3 herein for options where the vapor barrier forms part of the load path.

4. LIMITATIONS OF USE:

4.1 General:

4.1.1 This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance. NERs are not to be construed as representing any attributes not specifically listed, nor are NERs to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by NEMO CERT, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.

4.1.2 Roof Decks:

(a) This NER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction.

(b) OSB sheathing is not permitted in FBC HVHZ jurisdictions.

(d) Unless otherwise noted, reference to 'structural concrete' pertains to min. 2,500 psi structural concrete, and excludes 'structural lightweight concrete'.

(e) The table below lists various 'as-tested' deck conditions in accordance with Testing Application Standard TAS 114(J). Steel deck stress analysis is the responsibility of others to the satisfaction of the Authority Having Jurisdiction.

AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J)				
TYPE	AS TESTED SUB-ASSEMBLY			
	SPAN (INCH O.C.)	FASTENER	SPACING (INCH O.C.)	MDP (PSF)
15/32-inch APA rated CDX plywood	24	8d ring shank nails	6	-52.5
	24	#10 wood screws	6	-90.0
	24	#10 wood screws	4	-105.0
19/32-inch APA rated CDX plywood	24	8d ring shank nails	6	-67.5
	24	#8 wood screws	6	-97.5
22 ga., Type B, Grade 33 steel	72	#12 HWH Teks 5	6	-82.5
	72	#12 HWH Teks 5 with ¾" steel washers	6	-112.5
	72	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-172.5
22 ga., Type B, Grade 40 steel	72	#12 HWH Teks 5	6	-82.5
	72	#12 HWH Teks 5 with ¾" washers	6	-127.5
22 ga., Type B, Grade 80 steel	72	#12 HWH Teks 5	6	-135.0
	72	#12 HWH Teks 5 with ¾" steel washers	6	-142.5
	72	Two (2) #12 HWH Teks 5	6	-127.5
	72	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-172.5
	66	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-180.0
	60	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-202.5
20 ga., Type B, Grade 80 steel	72	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-195.0
18 ga., Type B, Grade 80 steel	72	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-202.5

4.1.3 Fire Classification:

(a) Refer to **IBC / FBC 1505, FBC HVHZ 1516, UL TGFU.R11436** and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.

(b) Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

4.1.4 Quality Assurance:

All components in the roof assembly shall have quality assurance surveillance in accordance with **F.A.C. Rule 61G20-3**. For components listed herein that are produced by a manufacturer other than the report holder on Page 1 of this NER, refer to the supporting evidence held by the component manufacturer.

4.2 **Jurisdiction Specific:**

	IBC and FBC Non-HVHZ	FBC HVHZ
4.2.1	This NER does not include evaluation of roof edge termination. Refer to **IBC 1504.6 or FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.	This NER does not include evaluation of roof edge termination. Refer to **RAS 111** for requirements and limitations regarding edge securement for low-slope roofs.
4.2.2	Refer to **IBC 1512 or FBC 1511** for requirements and limitations regarding recover installations.	Refer to **FBC HVHZ 1521** for requirements and limitations regarding recover installations.
	(a) For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **ANSI/SPRI FX-1** or **TAS 105**.	For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **TAS 105**.
	(b) For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **ANSI/SPRI IA-1**, **FM Loss Prevention Data Sheet 1-52** or **TAS 124** shall be conducted on mock-ups of the proposed interface.	For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **TAS 124** shall be conducted on mock-ups of the proposed interface.

(c) For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **FM Loss Prevention Data Sheet 1-52** or **TAS 124**.	For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **TAS 124**.

4.2.3 Wind Load Resistance:

(a) Refer to Section 4.3 for a tabulated summary of assembly listings and maximum allowable design pressures.

(b) "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **IBC / FBC 1609** for determination of design wind loads.	"MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **TAS 114** has already been applied). Refer to **FBC HVHZ 1620** or **RAS 128** for determination of design wind loads.
(c) The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **IBC / FBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are **ANSI/SPRI WD1**, **FM Loss Prevention Data Sheet 1-29**, **RAS 117** and **RAS 137**. Assemblies marked with an asterisk* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29** for Zone 2/3 enhancements.	Assemblies having a MDP < 45.0 psf are not permitted in FBC HVHZ jurisdictions. The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC HVHZ 1620** or **RAS 128**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with **RAS 117** or **RAS 137**.
(d) For fully-adhered installations, the maximum design pressure for the selected assembly shall meet or exceed the critical design pressure. Rational analysis is not permitted.	For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.

4.3 System Listings and Allowable Design Pressures: See Section 4.2.3

4.3.1 Thermal Barriers / Vapor Barriers: The lesser of the MDP listings below vs. that for the selected roof assembly from Section 4.3.2 applies.

(a) Wood Decks:

TABLE VB-1: WOOD DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 1A OR 2A (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
W-TB/VB-1.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	None	SBS-CA3 (sanded top)	None	DUOTACK	-30.0*
W-TB/VB-2.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-30.0*
W-TB/VB-3.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-30.0*
W-TB/VB-4.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-30.0*
W-TB/VB-5.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-30.0*
W-TB/VB-6.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-30.0*
W-TB/VB-7.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	None	SBS-CA3 (sanded top)	None	DUOTACK	-37.5*
W-TB/VB-8.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-37.5*
W-TB/VB-9.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-37.5*
W-TB/VB-10.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-37.5*
W-TB/VB-11.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-37.5*
W-TB/VB-12.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-37.5*

TABLE VB-1: WOOD DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 1A OR 2A (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
W-TB/VB-13.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	None	SBS-CA3 (sanded top)	None	DUOTACK	-45.0*
W-TB/VB-14.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-45.0*
W-TB/VB-15.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-45.0*
W-TB/VB-16.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-45.0*
W-TB/VB-17.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-45.0*
W-TB/VB-18.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-45.0*
W-TB/VB-19.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	None	SBS-CA3 (sanded top)	None	DUOTACK	-67.5
W-TB/VB-20.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-67.5
W-TB/VB-21.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-67.5
W-TB/VB-22.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-67.5

TABLE VB-1: WOOD DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 1A OR 2A (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
W-TB/VB-23.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-67.5
W-TB/VB-24.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-25.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	None	SBS-CA3 (sanded top)	None	DUOTACK	-67.5
W-TB/VB-26.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-67.5
W-TB/VB-27.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-67.5
W-TB/VB-28.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-29.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-67.5
W-TB/VB-30.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-31.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft²	None	SBS-CA3 (sanded top)	None	DUOTACK	-67.5
W-TB/VB-32.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft²	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-67.5
W-TB/VB-33.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft²	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-67.5

TABLE VB-1: WOOD DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 1A OR 2A (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
W-TB/VB-34.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft²	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-35.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-67.5
W-TB/VB-36.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-37.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	None	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-105.0
W-TB/VB-38.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-105.0
W-TB/VB-39.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-105.0
W-TB/VB-40.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-105.0

(b) Steel Decks:

TABLE VB-2: STEEL DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 2A OR 2B (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
S-TB/VB-1.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	None	SBS-CA3, SBS-CA4 or SBS-AA (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-2.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-45.0*
S-TB/VB-3.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	None	(Optional) SBS-CA4	SBS-CA4	DUOTACK 365	-45.0*
S-TB/VB-4.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	None	SBS-CA3 (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-5.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-45.0*
S-TB/VB-6.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	ELASTOCOL 500	SBS-TAF (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-7.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-8.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	None	SBS-TAF (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-9.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-10.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-11.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-12.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-13.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-14.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	12-inch o.c.	None	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-15.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	12-inch o.c.	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-16.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	12-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-45.0*

TABLE VB-2: STEEL DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 2A OR 2B (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
S-TB/VB-17.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	12-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-18.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	None	SBS-CA3 (sanded top)	None	DUOTACK	-75.0
S-TB/VB-19.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	None	SBS-TAF (sanded top)	None	DUOTACK	-75.0
S-TB/VB-20.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-75.0
S-TB/VB-21.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	None	SBS-CA3, SBS-CA4 or SBS-AA (sanded top)	None	DUOTACK	-82.5
S-TB/VB-22.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	None	SBS-AA (sanded top)	None	DUOTACK	-82.5
S-TB/VB-23.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	ELASTOCOL 500	SBS-TAF (sanded top)	None	DUOTACK	-82.5
S-TB/VB-24.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-82.5
S-TB/VB-25.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-82.5
S-TB/VB-26.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-82.5
S-TB/VB-27.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	None	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-127.5
S-TB/VB-28.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-127.5
S-TB/VB-29.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-127.5
S-TB/VB-30.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-127.5
S-TB/VB-31.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK SPF HFO	-75.0

TABLE VB-2: STEEL DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 2A OR 2B (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
S-TB/VB-32.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK SPF HFO	-75.0
S-TB/VB-33.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	12-inch o.c.	None	SBS-AA (sanded top)	None	DUOTACK SPF HFO	-75.0
S-TB/VB-34.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL Stick Zero	SOPRAVAP'R	None	DUOTACK SPF HFO	-75.0
S-TB/VB-35.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL 500	SBS-TAF (sanded top)	None	DUOTACK SPF HFO	-75.0
S-TB/VB-36.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF	DUOTACK SPF HFO	-75.0
S-TB/VB-37.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL Stick Zero	SOPRAVAP'R	None	DUOTACK SPF HFO	-75.0
S-TB/VB-38.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SBS-SA1 (sanded top)	None	DUOTACK SPF HFO	-75.0
S-TB/VB-39.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK SPF HFO	-75.0
S-TB/VB-40.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-41.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-42.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	6-inch o.c.	None	SBS-AA (sanded top)	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-43.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL Stick Zero	SOPRAVAP'R	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-44.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL 500	SBS-TAF (sanded top)	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-45.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-46.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL Stick Zero	SOPRAVAP'R	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-47.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SBS-SA1 (sanded top)	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5

TABLE VB-2: STEEL DECK THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION									
OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 2A OR 2B (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
S-TB/VB-48.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK SPF HFO, 6-inch o.c.	-127.5

(c) Structural Concrete Decks:

TABLE VB-3A: STRUCTURAL CONCRETE DECK 1-PLY VAPOR BARRIER FOLLOWED BY ADHERED INSULATION				
OPTION #	PRIMER	VAPOR BARRIER (3.1.4)	INSULATION ADHESIVE PER TABLE 3A (3.1.3)	MDP (PSF)
C-VB-1.	none	SOPRASMART XP HD 180 Sanded applied in DUOTACK, ribbons 12-inch o.c. (laps are torched or sealed with a hot air gun)	DUOTACK	-52.5
C-VB-2.	ASTM D41	SBS-CA4 (granule top)	DUOTACK	-97.5
C-VB-3.	ASTM D41	SBS-CA4 (sanded top)	DUOTACK	-120.0
C-VB-4.	none	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	DUOTACK	-120.0
C-VB-5.	(Optional) ASTM D41, ELASTOCOL 500	SBS-CA3 (granule top)	DUOTACK	-195.0
C-VB-6.	ASTM D41	SBS-AA (granule top)	DUOTACK	-195.0
C-VB-7.	ASTM D41	SBS-TAF (granule top)	DUOTACK	-195.0
C-VB-8.	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1 (granule top)	DUOTACK	-195.0
C-VB-9.	none	SBS-CA2 (sanded- or granule-top-surface), 6-inch o.c.	DUOTACK *(ribbons perpendicular to vapor barrier adhesive ribbons)*	-207.5
C-VB-10.	ASTM D41	SBS-TAP (sanded top)	DUOTACK	-232.5
C-VB-11.	ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering	DUOTACK	-240.0
C-VB-12.	none	SBS-CA3 (sanded top)	DUOTACK	-255.0
C-VB-13.	ASTM D41, ELASTOCOL 500	SBS-CA3 (sanded top)	DUOTACK	-270.0
C-VB-14.	ASTM D41	SBS-AA (sanded top)	DUOTACK	-270.0
C-VB-15.	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1 (sanded top)	DUOTACK	-315.0
C-VB-16.	ASTM D41	SBS-TAF (sanded top)	DUOTACK	-382.5
C-VB-17.	None	SBS-CA2 (sanded- or granule-top-surface), 6-inch o.c.	DUOTACK, 6-inch o.c.	-445.0
C-VB-18.	ALSAN RS 222, ALSAN RS 276 or AQUAFIN VAPORTIGHT COAT-SG3	Base coat of ALSAN RS 230 applied at 3.9 gal/sq. followed by ALSAN RS Fleece into the wet base coat, and top coat of ALSAN RS 230 at 1.9 gal/sq., surfaced with ALSAN RS Quartz Aggregate to refusal. Remove loose aggregate prior to insulation adhesive placement.	DUOTACK 365	-382.5
C-VB-19.	ALSAN RS 222, ALSAN RS 276 or AQUAFIN VAPORTIGHT COAT-SG3	Base coat of ALSAN RS 230 applied at 3.9 gal/sq. followed by ALSAN RS Fleece into the wet base coat, and top coat of ALSAN RS 230 at 1.9 gal/sq., surfaced with ALSAN RS Quartz Aggregate to refusal. Remove loose aggregate prior to insulation adhesive placement.	DUOTACK 365, 6-inch o.c.	-445.0
C-VB-20.	ASTM D41	SBS-CA4 (granule top)	DUOTACK SPF HFO	-97.5
C-VB-21.	ASTM D41	SBS-CA4 (sanded top)	DUOTACK SPF HFO	-120.0
C-VB-22.	(Optional) ASTM D41, ELASTOCOL 500	SBS-CA3 (granule top)	DUOTACK SPF HFO	-195.0
C-VB-23.	ASTM D41	SBS-AA (granule top)	DUOTACK SPF HFO	-195.0
C-VB-24.	ASTM D41	SBS-TAF (granule top)	DUOTACK SPF HFO	-195.0

TABLE VB-3A: STRUCTURAL CONCRETE DECK
1-PLY VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	PRIMER	VAPOR BARRIER (3.1.4)	INSULATION ADHESIVE PER TABLE 3A (3.1.3)	MDP (PSF)
C-VB-25.	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1 (granule top)	DUOTACK SPF HFO	-195.0
C-VB-26.	(Optional) ASTM D41, ELASTOCOL 500	SBS-CA3 (sanded top)	DUOTACK SPF HFO	-222.5
C-VB-27.	ASTM D41	SBS-AA (sanded top)	DUOTACK SPF HFO	-222.5
C-VB-28.	ASTM D41	SBS-TAP or SBS-TAF (sanded top)	DUOTACK SPF HFO	-222.5
C-VB-29.	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1 (sanded top)	DUOTACK SPF HFO	-222.5
C-VB-30.	ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering	DUOTACK SPF HFO	-392.5
C-VB-31.	ASTM D41	SBS-AA (sanded top)	hot asphalt	-210.0
C-VB-32.	ASTM D41	SOPRA IV, SOPRA VI, MODIFIED SOPRA G applied in hot asphalt	hot asphalt	-270.0
C-VB-33.	none	SBS-CA2 (sanded-top-surface), ribbons 6-inch o.c.	hot asphalt	-367.5
C-VB-34.	ASTM D41	SBS-TAF (sanded top)	hot asphalt	-367.5

TABLE VB-3B: STRUCTURAL CONCRETE DECK
2-PLY VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	PRIMER	VAPOR BARRIER (3.1.4)		INSULATION ADHESIVE PER TABLE 3A (3.1.3)	MDP (PSF)
		TYPE	APPLICATION		
C-VB-35.	ASTM D41	SBS-CA4	SBS-CA4, SBS-AA or SBS-TAF (granule top)	DUOTACK	-97.5
C-VB-36.	ASTM D41	SBS-CA4	SBS-CA4 (sanded top)	DUOTACK	-120.0
C-VB-37.	none	SBS-CA2, 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)	DUOTACK	-120.0
C-VB-38.	(Optional) ASTM D41, ELASTOCOL 500	SBS-CA3	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 (granule top)	DUOTACK	-195.0
C-VB-39.	ASTM D41	SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 (granule top)	DUOTACK	-195.0
C-VB-40.	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 (granule top)	DUOTACK	-195.0
C-VB-41.	none	SBS-CA2, 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)	DUOTACK *(ribbons perpendicular to vapor barrier adhesive ribbons)*	-207.5
C-VB-42.	ASTM D41	SBS-TAP	SBS-TAF (sanded top)	DUOTACK	-232.5
C-VB-43.	none	SBS-CA3	SBS-CA3 (sanded top)	DUOTACK	-255.0
C-VB-44.	ASTM D41, ELASTOCOL 500	SBS-CA3	SBS-CA3 (sanded top)	DUOTACK	-270.0
C-VB-45.	ASTM D41	BP-AA	BP-AA	DUOTACK	-270.0
C-VB-46.	ASTM D41	SBS-AA	SBS-AA (sanded top)	DUOTACK	-270.0
C-VB-47.	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1	SBS-SA1 (sanded top)	DUOTACK	-315.0
C-VB-48.	ASTM D41	SBS-TAF	SBS-TAF (sanded top)	DUOTACK	-382.5
C-VB-49.	none	SBS-CA2, 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-382.5
C-VB-50.	none	SBS-CA2, 6-inch o.c.	SBS-TAF (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-445.0
C-VB-51.	ASTM D41	SBS-AA	SBS-AA (sanded top)	hot asphalt	-210.0
C-VB-52.	ASTM D41	BP-AA	BP-AA	hot asphalt	-270.0
C-VB-53.	none	SBS-CA2, 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded-top-surface)	hot asphalt	-367.5
C-VB-54.	ASTM D41	SBS-TAF	SBS-TAF (sanded top)	hot asphalt	-367.5

(d) Deck followed by Vapor Barrier followed by Lightweight Concrete (LWC):

TABLE VB-4: DECK FOLLOWED BY VAPOR BARRIER FOLLOWED BY LIGHTWEIGHT CONCRETE (LWC)

OPTION #	DECK (4.1.2)	SUBSTRATE BOARD			PRIMER	VAPOR BARRIER (3.1.4)		MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH		BASE PLY	CAP PLY	
LWC-VB-1.	Structural concrete	None	N/A	N/A	None	SBS-CA3 (sanded-top-surface)	None	-255.0
LWC-VB-2.	Structural concrete	None	N/A	N/A	None	(Optional) SBS-CA3	SBS-CA3 (sanded- or granule-top-surface)	-255.0
LWC-VB-3.	Structural concrete	None	N/A	N/A	ASTM D41, ELASTOCOL 500	SBS-CA3 (sanded-top-surface)	None	-270.0
LWC-VB-4.	Structural concrete	None	N/A	N/A	ASTM D41, ELASTOCOL 500	(Optional) SBS-CA3	SBS-CA3 (sanded- or granule-top-surface)	-270.0
LWC-VB-5.	Structural concrete	None	N/A	N/A	ASTM D41, ELASTOCOL 500	SBS-TAF (sanded-top-surface)	None	-367.5
LWC-VB-6.	Structural concrete	None	N/A	N/A	ASTM D41, ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF (sanded- or granule-top-surface)	-367.5
LWC-VB-7.	Structural concrete	None	N/A	N/A	None	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	-382.5
LWC-VB-8.	Structural concrete	None	N/A	N/A	None	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	-445.0
LWC-VB-9.	Structural concrete	None	N/A	N/A	None	SBS-CA2, ribbons 6-inch o.c.	SBS-TAF (sanded- or granule-top-surface)	-445.0
CWF-VB-LWC-1.	Cementitious Wood Fiber	Min. 0.125-inch SOPRABOARD	Twin Loc-Nail (1.8-inch)	1 per 1.8 ft^2	None	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	-45.0*
CWF-VB-LWC-2.	Cementitious Wood Fiber	Min. 0.125-inch SOPRABOARD	Twin Loc-Nail (1.8-inch)	1 per 1.0 ft^2	None	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	-67.5
CWF-VB-LWC-3.	Cementitious Wood Fiber	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO	ribbons 6-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	-272.0
GYP-VB-LWC-1.	Existing gypsum	None	N/A	N/A	None	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	-382.5
GYP-VB-LWC-2.	Existing gypsum	None	N/A	N/A	None	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	-445.0
GYP-VB-LWC-3.	Existing gypsum	None	N/A	N/A	None	SBS-CA2, ribbons 6-inch o.c.	SBS-TAF (sanded- or granule-top-surface)	-445.0

(e) Cementitious Wood Fiber Decks:

TABLE VB-5: CEMENTITIOUS WOOD FIBER DECK
VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	SUBSTRATE BOARD			VAPOR BARRIER (3.1.4)		INSULATION ADHESIVE (3.1.3)	MDP (PSF)
	TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH	BASE PLY	CAP PLY		
CWF-VB-1.	Min. 0.125-inch SOPRABOARD	Trufast Twin Loc-Nail (1.8-inch)	1 per 1.8 ft²	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 2A	-45.0*
CWF-VB-2.	Min. 0.125-inch SOPRABOARD	Trufast Twin Loc-Nail (1.8-inch)	1 per 1.0 ft²	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 2A	-67.5
CWF-VB-3.	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO	ribbons 6-inch o.c.	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 3A or 5A	-272.0
CWF-VB-4.	SOPRASMART Board 180 Sanded	DUOTACK 365 or DUOTACK SPF HFO	ribbons 6-inch o.c.	(Optional) SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 3A or 5A	-272.5
CWF-VB-5.	SOPRASMART Board 180	DUOTACK 365 or DUOTACK SPF HFO	ribbons 6-inch o.c.	(Optional) SBS-TAF (with sanded-top-surface)	(Optional) SBS-CA3, SBS-AA or SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 3A or 5A	-272.5
CWF-VB-6.	SOPRASMART Board 180	DUOTACK 365 or DUOTACK SPF HFO	ribbons 6-inch o.c.	SBS-TAF (film-top-surface)	SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 3A or 5A	-272.5

(f) Existing Gypsum Decks:

TABLE VB-6: EXISTING GYPSUM DECK
VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	VAPOR BARRIER (3.1.4)		INSULATION ADHESIVE PER TABLE 3A OR 6A (3.1.3)	MDP (PSF)
	BASE PLY	CAP PLY		
GYP-VB-1.	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	DUOTACK	-120.0
GYP-VB-2.	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)	DUOTACK	-120.0
GYP-VB-3.	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	DUOTACK *(ribbons perpendicular to vapor barrier adhesive ribbons)*	-207.5
GYP-VB-4.	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)	DUOTACK *(ribbons perpendicular to vapor barrier adhesive ribbons)*	-207.5
GYP-VB-5.	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-382.5
GYP-VB-6.	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	DUOTACK, 6-inch o.c.	-445.0
GYP-VB-7.	SBS-CA2, ribbons 6-inch o.c.	SBS-TAF (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-445.0

4.3.2 Roof Assemblies:

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	26
1B	Wood	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	28
1C	Wood	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	33
1D	Wood	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	35
1E	Wood	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached SOPRAFIX, Bonded Roof Cover	41
1F	Wood	New, Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	45
1G	Wood	New, Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached SOPRAFIX, Bonded Roof Cover	45
1H	Wood	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	46
2A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	47
2B	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	56
2C	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	67
2D	Steel	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached SOPRAFIX, Bonded Roof Cover	75
2E	Steel	New, Reroof (Tear-Off) or Recover	D-3	Insulated, Bonded & Mechanically Attached Base Membrane, Bonded Roof Cover	79
3A	Structural Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	80
3B	Structural Concrete	New or Reroof (Tear-Off)	A-2	Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	93
3C	Structural Concrete	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached SOPRAFIX, Bonded Roof Cover	93
3D	Structural Concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	95
4A	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	A-1	LWC to Deck, Bonded Insulation, Bonded Roof Cover	96
4B	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	A-1	LWC to Deck, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	101
4C	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	103
4D	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	E-2	LWC to Deck, Mechanically Attached Base Sheet, Bonded Roof Cover	104
4E	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	E-2	Thermal Barrier to Deck, Vapor Barrier, LWC to Vapor Barrier, Mechanically Attached Base Sheet, Bonded Roof Cover	108
4F	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	E-2	LWC to Deck, Mechanically Attached SOPRAFIX, Bonded Roof Cover	111
4G	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	F	LWC to Deck, Bonded Roof Cover	119
4H	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	F	Thermal Barrier to Deck, Vapor Barrier to Barrier, LWC to Vapor Barrier, Bonded Roof Cover	119
4I	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	F	LWC to Deck, Bonded Roof Cover	120
5A	Cementitious Wood Fiber	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	122
5B	Cementitious Wood Fiber	New, Reroof (Tear-Off)	A-3	Bonded Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	126
5C	Cementitious Wood Fiber	Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	128
5D	Cementitious Wood Fiber	Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	130
5E	Cementitious Wood Fiber	Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	131
5F	Cementitious Wood Fiber	Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	131
6A	Existing Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	132
6B	Existing Gypsum	Reroof (Tear-Off)	A-1	Vapor Barrier to Deck, Bonded Insulation, Bonded Roof Cover	136
6C	Existing Gypsum	Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	140
6D	Existing Gypsum	Reroof (Tear-Off)	C-1	Mechanically Attached Insulation, Bonded Roof Cover	141
6E	Existing Gypsum	Reroof (Tear-Off)	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	142
6F	Existing Gypsum	Reroof (Tear-Off)	D-2	Insulated, Mechanically Attached SOPRAFIX, Bonded Roof Cover	142
6G	Existing Gypsum	Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	143
6H	Existing Gypsum	Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached SOPRAFIX, Bonded Roof Cover	143
6I	Existing Gypsum	Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	144
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	145
7B	Existing LWIC or Gypsum	Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	152
7C	Existing LWIC or Gypsum	Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	154
7D	Existing LWIC	Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	155
7E	Existing LWIC or Gypsum	Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached SOPRAFIX, Bonded Roof Cover	156
7F	Various	Recover	F	Non-Insulated, Bonded Roof Cover	159

TABLE 1A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-1 FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		PRIMER	ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)		BASE PLY	PLY	CAP PLY	
COLD APPLIED BASE PLY:										
W-1.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 12" o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 12" o.c.	None	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
W-2.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6" o.c.	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6" o.c.	None	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
W-3.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6" o.c.	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6" o.c.	None	SBS-CA3	None	SBS-CA3	-97.5
W-4.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6" o.c.	Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	None	SBS-CA4	None	SBS-CA3, SBS-CA4	-105.0
W-5.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c.	None	N/A	None	SBS-CA4	None	SBS-CA3, SBS-CA4	-105.0
W-6.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB or min. 15/32" APA rated plywood	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	None	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
HOT OR TORCH APPLIED BASE PLY:										
W-7.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 12" o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 12" o.c.	None	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
W-8.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6" o.c.	Min. 0.25-in. SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	None	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-105.0
W-9.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c.	None	N/A	None	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-105.0
W-10.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB or min. 15/32" APA rated plywood	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	None	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:										

TABLE 1A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-1 FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		PRIMER	ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)		BASE PLY	PLY	CAP PLY	
W-11.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 12" o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 12" o.c.	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-52.5
W-12.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6" o.c.	Min. 0.25-in. SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-SA1	SBS-SA1	-82.5
W-13.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c.	None	N/A	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-SA1	SBS-SA1	-82.5
W-14.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6" o.c.	Min. 0.25-in. SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-AA or SBS-TAF	SBS-AA SBS-TAF	-105.0
W-15.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c.	None	N/A	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-AA or SBS-TAF	SBS-AA SBS-TAF	-105.0
W-16.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB or min. 15/32" APA rated plywood	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-52.5
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:										
W-17.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 12" o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 12" o.c.	ELASTOCOL Stick Zero	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-52.5
W-18.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6" o.c.	Min. 0.25-in. SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	ELASTOCOL Stick Zero	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-97.5
W-19.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c.	None	N/A	ELASTOCOL Stick Zero	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-97.5
W-20.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB or min. 15/32" APA rated plywood	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	ELASTOCOL Stick Zero	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-52.5

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:										
W-21.	Min. 19/32-inch 4-ply plywood	Min. 1.5-inch ACFoam II	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.45 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-22.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-23.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-24.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*
W-25.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-67.5
W-26.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA4	-67.5
W-27.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
W-28.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-29.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-45.0*
W-30.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	DUOTACK SPF HFO	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-31.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-32.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	DUOTACK SPF HFO	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-33.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-45.0*
W-34.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Trufast RA	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
HOT OR TORCH APPLIED BASE PLY:										
W-35.	Min. 19/32-inch 4-ply plywood	Min. 1.5-inch ACFoam II	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.45 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-45.0*

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
W-36.	Min. 19/32-inch APA rated CDX plywood	Min. 2-inch ACFoam II	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.45 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-60.0*
W-37.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.75-inch JM Fesco Board	hot asphalt	BP-AA	BP-AA	SBS-CA4	-67.5
W-38.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-45.0*
W-39.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-45.0*
W-40.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-67.5
W-41.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-67.5
W-42.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-45.0*
W-43.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-67.5

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
W-44.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-45.0*
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:										
W-45.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick Zero or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero or Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-45.0*
W-46.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-45.0*
W-47.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-67.5
W-48.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-67.5
W-49.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-67.5
W-50.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-45.0*

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
W-51.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-67.5
W-52.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-45.0*
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:										
W-53.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
W-54.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
W-55.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
W-56.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (3.1.1, 4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
W-57.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
W-58.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	Trufast RA	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*

TABLE 1C: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet		Vapor Barrier (3.1.4)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (3.1.1, 4.2.2)		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
Cold Applied Base Ply:												
W-59.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-60.0
W-60.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3	None	SBS-CA3	-60.0
W-61.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	DUOTACK in ribbons run atop anchor sheet fastener rows	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK ribbons spaced 6" o.c. or, if no base insulation, run atop anchor sheet fastener rows	SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-45.0

TABLE 1C: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet		Vapor Barrier (3.1.4)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (3.1.1, 4.2.2)		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
W-62.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	DUOTACK in ribbons run atop anchor sheet fastener rows	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK ribbons spaced 6" o.c. or, if no base insulation, run atop anchor sheet fastener rows	SBS-CA3	None	SBS-CA3	-45.0
W-63.	Min. 15/32-inch APA rated plywood or nominal 1" T&G wood plank	One or two layers SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-75.0
HOT OR TORCH APPLIED BASE PLY:												
W-64.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min.0.25-inch DensDeck primed with ELASTOCOL 500, ELASTOCOL Stick or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-AA, SBS-TAP or SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-60.0
W-65.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	DUOTACK in ribbons run atop anchor sheet fastener rows	Min.0.25-inch DensDeck primed with ELASTOCOL 500, ELASTOCOL Stick or SECUROCK Gypsum-Fiber Roof Board	DUOTACK ribbons spaced 6" o.c. or, if no base insulation, run atop anchor sheet fastener rows	SBS-AA, SBS-TAP or SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-45.0
W-66.	Min. 15/32-inch APA rated plywood or nominal 1" T&G wood plank	One or two layers SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6-inch o.c.	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-75.0
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:												

TABLE 1C: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet		Vapor Barrier (3.1.4)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (3.1.1, 4.2.2)		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
W-67.	Min. 15/32-inch APA rated plywood or nominal 1" T&G wood plank	One or two layers SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK 365, 6-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-75.0

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Slip Sheet	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
				Type	Fastener (3.1.1, 4.2.2)	Attach (3.1.2E)	Base	Ply	Cap	
Cold Applied Base Ply:										
W-68.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
W-69.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	Dekfast #14 with Hex Plate or 3" Round Insulation Plate or SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate	1 per 2.3 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
W-70.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.25-inch SOPRABOARD	OMG #14 Heavy Duty with AccuTrac Flat Bottom	1 per 3.2 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
W-71.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-37.5*
W-72.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	OMG #14 Heavy Duty with AccuTrac Flat Bottom, Trufast #14 HD or SOPREMA #14 MP Fastener with Trufast 3" Metal Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.3 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-37.5*
W-73.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or SOPREMA #14 MP Fastener with Trufast 3" Metal Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
W-74.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-52.5
W-75.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #14 HD or SOPREMA #14 MP Fastener with Trufast 3" Metal Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	SBS-CA3	None	SBS-CA3	-52.5
W-76.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-77.	Min. 15/32-inch APA rated BCX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-78.	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
HOT OR TORCH APPLIED BASE PLY:										
W-79.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
W-80.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast #14 with Hex Plate or 3" Round Insulation Plate or SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate	1 per 2.3 ft2	BP-AA, SBS-AA, SBS-AA2, SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TAF	-30.0*
W-81.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-37.5*

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
W-82.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG #14 Heavy Duty with AccuTrac Flat Bottom, Trufast #14 HD or SOPREMA #14 MP Fastener with Trufast 3" Metal Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.3 ft2	BP-AA, SBS-AA, SBS-AA2, SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TAF	-37.5*
W-83.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or SOPREMA #14 MP Fastener with Trufast 3" Metal Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft2	BP-AA, SBS-AA, SBS-AA2, SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
W-84.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with ELASTOCOL 500 or ELASTOCOL Stick or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	SBS-AA, SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-TAF or SBS-SA1	SBS-AA, SBS-TAF or SBS-SA1	-52.5
W-85.	Min. 19/32-inch plywood; 2 ft span	(Optional) One or more layers Sopra-G or MODIFIED SOPRA-G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	Dekfast #15 with 3" Round Insulation Plate or SOPREMA #15 Fastener with SOPREMA 3 in. Round Insulation Plate	1 per 1.3 ft^2	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-75.0
W-86.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-67.5
W-87.	Min. 15/32-inch APA rated BCX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-67.5
W-88.	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-67.5
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:										

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
W-89.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-30.0*
W-90.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick or ELASTOCOL Stick Zero	Dekfast #14 with Hex Plate or 3" Round Insulation Plate or SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate	1 per 2.3 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-30.0*
W-91.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-37.5*
W-92.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL 500, ELASTOCOL Stick or ELASTOCOL Stick Zero or 0.25-inch DensDeck Prime	OMG #14 Heavy Duty with AccuTrac Flat Bottom, Trufast #14 HD or SOPREMA #14 MP Fastener with Trufast 3" Metal Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.3 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-37.5*
W-93.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or 0.25-inch DensDeck Prime	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or SOPREMA #14 MP Fastener with Trufast 3" Metal Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
W-94.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-67.5
W-95.	Min. 15/32-inch APA rated BCX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-67.5

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
W-96.	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft²	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-67.5
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:										
W-97.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft²	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-30.0*
W-98.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Dekfast #14 with Hex Plate or 3" Round Insulation Plate or SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate	1 per 2.3 ft2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-30.0*
W-99.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft²	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-37.5*
W-100.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	OMG #14 Heavy Duty with AccuTrac Flat Bottom, Trufast #14 HD or SOPREMA #14 MP Fastener with Trufast 3" Metal Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.3 ft2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-37.5*
W-101.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or SOPREMA #14 MP Fastener with Trufast 3" Metal Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
W-102.	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
W-103.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers Sopra-G or MODIFIED SOPRA-G, loose laid	(Optional) One or more layers, any combination, loose laid	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
W-104.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
W-105.	Min. 15/32-inch APA rated BCX plywood	(Optional) One or more layers Sopra-G or MODIFIED SOPRA-G, loose laid	(Optional) One or more layers, any combination, loose laid	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum two (2) Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
W-106.	Min. 15/32-inch APA rated BCX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
W-107.	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers Sopra-G or MODIFIED SOPRA-G, loose laid	(Optional) One or more layers, any combination, loose laid	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
W-108.	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
				TYPE (3.1.4.B)	FASTENER (3.1.1, 4.2.2)	SPACING	PLY	CAP	
WITH FASTENER AND STRESS PLATE:									
W-109.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA3, SBS-CA4	-37.5*
W-110.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5*
W-111.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-37.5*
W-112.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622. Top surface shall be primed with ELASTOCOL Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within the 4-inch wide, heat-welded side laps	SOPRALENE Flam Stick, self-adhering	SBS-TAF	-37.5*
W-113.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622. Top surface shall be primed with ELASTOCOL Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE Stick or SOPRALENE Stick, self-adhering. Top surface shall be primed with ELASTOCOL Stick Zero	SBS-SA1	-37.5*
W-114.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0*
W-115.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-45.0*
W-116.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622. Top surface shall be primed with ELASTOCOL Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	SOPRALENE Flam Stick, self-adhering	SBS-TAF	-45.0*

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
				TYPE (3.1.4.B)	FASTENER (3.1.1, 4.2.2)	SPACING	PLY	CAP	
W-117.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622. Top surface shall be primed with ELASTOCOL Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE Stick or SOPRALENE Stick, self-adhering. Top surface shall be primed with ELASTOCOL Stick Zero	SBS-SA1	-45.0*
W-118.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	None	SBS-CA3 or SBS-CA4	-45.0
W-119.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3 or SBS-CA4	-45.0
W-120.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-TAF	SBS-TAF	-45.0
W-121.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded. Top surface primed with ELASTOCOL Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-SA1	SBS-SA1 or SBS-TAF	-45.0
W-122.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA3, SBS-CA4	-52.5
W-123.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-52.5
W-124.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-52.5

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
				TYPE (3.1.4.B)	FASTENER (3.1.1, 4.2.2)	SPACING	PLY	CAP	
W-125.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA3, SBS-CA4	-82.5
W-126.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-82.5
W-127.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-82.5
W-128.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	None	SBS-CA3 or SBS-CA4	-52.5
W-129.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-52.5
W-130.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-TAF	SBS-TAF	-52.5
W-131.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded. Top surface primed with ELASTOCOL Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-SA1	SBS-SA1 or SBS-TAF	-52.5
WITH FASTENER AND BATTEN BARS OR BATTEN STRIPS:									
W-132.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622	OMG Large Head #15 Roofgrip with Polymer Batten Strip or SOPREMA #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	None	SBS-CA4	-90.0
W-133.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 614	OMG Large Head #15 Roofgrip with Polymer Batten Strip or SOPREMA #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-90.0

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
				TYPE (3.1.4.B)	FASTENER (3.1.1, 4.2.2)	SPACING	PLY	CAP	
W-134.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 614	OMG Large Head #15 Roofgrip with Polymer Batten Strip or SOPREMA #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	(Optional) SBS-TAF	SBS-TAF	-90.0

TABLE 1F: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		BASE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP	
HOT OR TORCH-APPLIED BASE PLY:							
W-135.	Min. 19/32-inch APA rated CDX plywood	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps"	6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three (3) equally spaced rows in the center of the sheet	BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-60.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:							
W-136.	Min. 19/32-inch APA rated CDX plywood	ULTRA-STICK NAIL BASE	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps"	6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three (3) equally spaced rows in the center of the sheet	SBS-SA2	SBS-SA2	-67.5

TABLE 1G: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			TYPE (3.1.4.B)	FASTENER (3.1.1, 4.2.2)	SPACING	PLY	CAP	
WITH FASTENER AND STRESS PLATE:								
W-137.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA3, SBS-CA4	-37.5*
W-138.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5*
W-139.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-37.5*
W-140.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA3, SBS-CA4	-45.0*
W-141.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0*
W-142.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-45.0*
W-143.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA3, SBS-CA4	-52.5
W-144.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-52.5
W-145.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-52.5

TABLE 1G: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			TYPE (3.1.4.B)	FASTENER (3.1.1, 4.2.2)	SPACING	PLY	CAP	
W-146.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA3, SBS-CA4	-82.5
W-147.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-82.5
W-148.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-82.5
WITH FASTENER AND BATTEN BARS OR BATTEN STRIPS:								
W-149.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 622	OMG Large Head #15 Roofgrip with Polymer Batten Strip or SOPREMA #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	None	SBS-CA4	-90.0
W-150.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 614	OMG Large Head #15 Roofgrip with Polymer Batten Strip or SOPREMA #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-90.0
W-151.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 614	OMG Large Head #15 Roofgrip with Polymer Batten Strip or SOPREMA #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	(Optional) SBS-TAF	SBS-TAF	-90.0

TABLE 1H: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED BASE MEMBRANE, BONDED ROOF COVER					
SYSTEM NO.	DECK (4.1.2)	ROOF COVER (3.1.4)			MDP (PSF)
		BASE	PLY	CAP	
W-152.	Min. 19/32-inch plywood	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-97.5

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:											
SC-1.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 12" o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max, Insulfoam IX or SOPRA-XPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-45.0*
SC-2.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
SC-3.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
SC-4.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-TAF	SBS-CA3, SBS-TAF	-60.0
SC-5.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3	None	SBS-CA3, SBS-TAF	-60.0
SC-6.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-7.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board followed by SBS-TAF (sand-surfaced)	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK 365	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-8.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-9.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-10.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	None	N/A	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-11.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch SECUROCK Gypsum Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-90.0
SC-12.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-97.5
SC-13.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-97.5
SC-14.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	SBS-CA3	None	SBS-CA3	-97.5
SC-15.	22 ga., Type B, Grade 50 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-120.0

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-16.	22 ga., Type B, Grade 50 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	None	N/A	None	N/A	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-120.0
SC-17.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK SPF HFO	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
SC-18.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 12" o.c. (on every-other deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS	DUOTACK SPF HFO	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-75.0
SC-19.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c. (on each deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS	DUOTACK SPF HFO, ribbons 6" o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-97.5
SC-20.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c. (on each deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS	DUOTACK SPF HFO, ribbons 6" o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c.	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-120.0
HOT OR TORCH APPLIED BASE PLY:											

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-21.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 12" o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max, Insulfoam IX or SOPRA-XPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-45.0*
SC-22.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
SC-23.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) BP-AA, SBS-AA	None	SBS-AA	-52.5
SC-24.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-25.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board followed by SBS-TAF (sand-surfaced)	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK 365	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-26.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-97.5
SC-27.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-97.5

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-28.	22 ga., Type B, Grade 50 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-120.0
SC-29.	22 ga., Type B, Grade 50 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	None	N/A	None	N/A	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-127.5
SC-30.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO, ribbons 12" o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK SPF HFO	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
SC-31.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 12" o.c. (on every-other deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS	DUOTACK SPF HFO	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-75.0
SC-32.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c. (on each deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS	DUOTACK SPF HFO, ribbons 6" o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c.	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-127.5
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:											
SC-33.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 12" o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max, Insulfoam IX or SOPRA-XPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK 365	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-45.0*

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-34.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 12" o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max, Insulfoam IX or SOPRA-XPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK 365	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-45.0*
SC-35.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-60.0
SC-36.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-60.0
SC-37.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-82.5
SC-38.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board followed by SBS-TAF (sand-surfaced)	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK 365	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-82.5
SC-39.	22 ga., Type B, Grade 50 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or SOPRA-XPS	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-120.0

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-40.	22 ga., Type B, Grade 50 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	None	N/A	None	N/A	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-127.5
SC-41.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO, ribbons 12" o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK SPF HFO	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-52.5
SC-42.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 12" o.c. (on every-other deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS	DUOTACK SPF HFO	Min. 0.25-inch SOPRABOARD or DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-75.0
SC-43.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 12" o.c. (on every-other deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS	DUOTACK SPF HFO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-75.0
SC-44.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c. (on each deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS	DUOTACK SPF HFO, ribbons 6" o.c.	Min. 0.25-inch SOPRABOARD or DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK SPF HFO, ribbons 6" o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-127.5

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-45.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6” o.c. (on each deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS	DUOTACK SPF HFO, ribbons 6” o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO, ribbons 6” o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-127.5
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:											
SC-46.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 12” o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max, Insulfoam IX or SOPRA-XPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK 365	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
SC-47.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6” o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	TO DECK: DUOTACK 365, ribbons 6” o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-52.5
SC-48.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6” o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6” o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD or DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-82.5
SC-49.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board followed by SBS-TAF (sand-surfaced)	DUOTACK 365, ribbons 6” o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK 365	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-82.5

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-50.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation. Top surface shall be primed with ELASTOCOL Stick.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-97.5
SC-51.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-97.5
SC-52.	22 ga., Type B, Grade 50 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or SOPRA-XPS	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-120.0
SC-53.	22 ga., Type B, Grade 50 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	None	N/A	None	N/A	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-127.5
SC-54.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO, ribbons 12" o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK SPF HFO	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	SBS-SA2	-52.5
SC-55.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 12" o.c. (on every-other deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS	DUOTACK SPF HFO	Min. 0.25-inch SOPRABOARD, DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-75.0

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-56.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c. (on each deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS	DUOTACK SPF HFO, ribbons 6" o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO, ribbons 6" o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-127.5

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:										
SC-57.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II or H-Shield	3.1.1	1 per 2.0 ft²	Min. 1.4-inch ACFoam II or H-Shield	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
SC-58.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II or H-Shield	3.1.1	1 per 2.0 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
SC-59.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II or H-Shield	3.1.1	1 per 2.0 ft²	Min. 1.4-inch ACFoam II or H-Shield	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
SC-60.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Insulation: (Optional) additional layer(s), min. 1-inch base insulation Coverboard: 0.5-in. Blue Ridge Structodek HD with Primed Red Coating	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-61.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-62.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*
SC-63.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4SBS-CA3, SBS-CA4	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-64.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-65.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*
SC-66.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4SBS-CA3, SBS-CA4	-45.0*
SC-67.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Insulation: (Optional) additional layer(s), min. 1-inch base insulation Coverboard: 0.5-in. Blue Ridge Structodek HD with Primed Red Coating	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-68.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-69.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*
SC-70.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4SBS-CA3, SBS-CA4	-45.0*
SC-71.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
SC-72.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
SC-73.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA4 or SBS-CA3	-82.5
SC-74.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by SBS-TAF (sand-surfaced)	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	INSULATION: Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII followed by COVERBOARD: min. 0.125-inch SOPRABOARD.	DUOTACK 365	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA4 or SBS-CA3	-82.5
SC-75.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-76.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min 2-inch H-Shield	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	SBS-CA3	None	SBS-CA3	-135.0
SC-77.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II	3.1.1	1 per 2.0 ft²	Min. 1.4-inch ACFoam II	DUOTACK SPF HFO	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
SC-78.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3 or SBS-CA4	-45.0*
SC-79.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3 or SBS-CA4	-45.0*
SC-80.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD or DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-75.0
SC-81.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-82.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-105.0
SC-83.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch SOPRABOARD, DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, 6" o.c.	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-105.0
SC-84.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4SBS-CA3, SBS-CA4	-45.0*
SC-85.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4SBS-CA3, SBS-CA4	-45.0*
SC-86.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4SBS-CA3, SBS-CA4	-45.0*
HOT OR TORCH APPLIED BASE PLY:										

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-87.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II or H-Shield	3.1.1	1 per 2.0 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or Min. 0.75-inch Fesco Board (homogeneous).	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-88.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II or H-Shield	3.1.1	1 per 2.0 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	hot asphalt	BP-AA, SBS-AA, SBS-TAP, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-89.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II or H-Shield	3.1.1	1 per 4.0 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-90.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II or H-Shield	3.1.1	1 per 4.0 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	hot asphalt	BP-AA, SBS-AA, SBS-TAP, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-91.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II or H-Shield	3.1.1	1 per 2.0 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-92.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II or ENRGY 3	3.1.1	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TAP or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-93.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II or ENRGY 3	3.1.1	1 per 2.0 ft2	Min. 0.5-inch DensDeck Prime	hot asphalt	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-94.	22 ga., Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II or ENRGY 3	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.45 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-60.0
SC-95.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch H-Shield	3.1.1	1 per 1.8 ft2	Min. 0.75-inch JM Fesco Board	hot asphalt	BP-AA	BP-AA	SBS-CA4, SBS-AA or SBS-TAF	-67.5
SC-96.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAP, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-97.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-45.0*
SC-98.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-99.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-45.0*
SC-100.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAP, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-101.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-45.0*
SC-102.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II or H-Shield	3.1.1	1 per 2.0 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	DUOTACK	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-103.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
SC-104.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
SC-105.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II or ENRGY 3	3.1.1	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TAP or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-106.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-82.5

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-107.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by SBS-TAF (sand-surfaced)	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	INSULATION: Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII followed by COVERBOARD: min. 0.125-inch SOPRABOARD.	DUOTACK 365	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-108.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min 2-inch H-Shield	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-135.0
SC-109.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAP, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-110.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAP, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-111.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II	3.1.1	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-TAP or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-112.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD or DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-75.0
SC-113.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-114.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-105.0
SC-115.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch SOPRABOARD, DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, 6" o.c.	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-105.0
SC-116.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	BP-AA, SBS-AA, SBS-TAP, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-117.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-118.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	BP-AA, SBS-AA, SBS-TAP, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:										
SC-119.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II or ENRGY 3	3.1.1	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA1	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-120.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft2	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3 or Multi-Max FA3. Top surface shall be *mist-primed with ELASTOCOL Stick or ELASTOCOL Stick Zero*	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4 or SBS-SA1	SBS-CA3, SBS-CA4 or SBS-SA1	-45.0*
SC-121.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-122.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-45.0*
SC-123.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-124.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-125.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-126.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-127.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-128.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-129.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-SA1, SBS-TAF	-52.5
SC-130.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-52.5
SC-131.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II or ENRGY 3	3.1.1	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-132.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-82.5
SC-133.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by SBS-TAF (sand-surfaced)	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	INSULATION: Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII followed by COVERBOARD: min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK 365	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-82.5
SC-134.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-82.5
SC-135.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-82.5
SC-136.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min 1.5-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft2	Min. 1.5-inch ACFoam II. Top surface shall be *mist-primed with ELASTOCOL Stick or ELASTOCOL Stick Zero*	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-CA3, SBS-CA4 or SBS-SA1	SBS-CA3, SBS-CA4 or SBS-SA1	-45.0*
SC-137.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-138.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-139.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II	3.1.1	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-140.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-75.0
SC-141.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-75.0
SC-142.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-82.5
SC-143.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-105.0
SC-144.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK SPF HFO, 6" o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-105.0
SC-145.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO, 6" o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-105.0
SC-146.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-147.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-148.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:										
SC-149.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.125-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
SC-150.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by Min. 0.125-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
SC-151.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.125-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
SC-152.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	Min. 0.125-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-52.5
SC-153.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
SC-154.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD, Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-82.5

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-155.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by SBS-TAF (sand-surfaced)	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	INSULATION: Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII followed by COVERBOARD: min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK 365	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-82.5
SC-156.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
SC-157.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
SC-158.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch ACFoam II or H-Shield CG	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-52.5
SC-159.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
SC-160.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD or DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-75.0
SC-161.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-82.5
SC-162.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-105.0
SC-163.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch SOPRABOARD or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO, 6" o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-105.0
SC-164.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	Trufast RA	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-165.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	Trufast RA	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
SC-166.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	Trufast RA	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:									
SC-167.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.6 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
SC-168.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.6 ft²	SBS-CA3	None	SBS-CA3	-30.0*
SC-169.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II or H-Shield	3.1.1	1 per 2.0 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
SC-170.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-37.5*
SC-171.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers min. 1.5-inch ACFoam II or H-Shield, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 4.0 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
SC-172.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board, optionally primed with ELASTOCOL 500	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-173.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SOPRABOARD	3.1.1	1 per 3.2 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
SC-174.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 2.3 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
SC-175.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0
SC-176.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board	SOPREMA #15 EHD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0
SC-177.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
SC-178.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SOPRABOARD	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SBS-CA3	(Optional) SBS-CA3, SBS-TAF	SBS-CA3, SBS-TAF	-60.0
SC-179.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board	SOPREMA #15 EHD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-60.0
SC-180.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
SC-181.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-75.0
SC-182.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch SOPRABOARD	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	SBS-CA3	(Optional) SBS-CA3, SBS-TAF	SBS-CA3, SBS-TAF	-82.5
SC-183.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.125-inch SOPRABOARD	SOPREMA #15 HD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-82.5
SC-184.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.0 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-185.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-90.0
SC-186.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	One or more layers, min. 2-inch, any combination, loose laid	Min. 0.25-inch SOPRABOARD	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	SBS-CA3	(Optional) SBS-CA3, SBS-TAF	SBS-CA3, SBS-TAF	-120.0
SC-187.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.0 ft²	SBS-CA3	None	SBS-CA3	-127.5

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.2)	Attach (3.1.2E)	Base	Ply	Cap	
Hot or Torch Applied Base Ply:									
SC-188.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	3.1.1	1 per 2.6 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
SC-189.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	3.1.1	1 per 2.0 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
SC-190.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft2	SBS-TAP	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-37.5*
SC-191.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 2.3 ft2	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-37.5*
SC-192.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1, SBS-TAF	SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1, SBS-TAF	-37.5*
SC-193.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 4.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-194.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG HD with 3 in. Galvalume Steel Plate	1 per 4.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-195.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-196.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board, optionally primed with ELASTOCOL 500	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-197.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 4.0 ft²	BP-AA, SBS-AA, SBS-AA2 or SBS-TAF	(Optional) SBS-AA, SBS-AA2 or SBS-TAF	SBS-AA, SBS-AA2 or SBS-TAF	-45.0*
SC-198.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.7 ft2	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
SC-199.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck	3.1.1	1 per 2.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-200.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck. Top surface shall be primed with ELASTOCOL Stick	3.1.1	1 per 2.0 ft2	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-201.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 2.0 ft2	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-202.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-203.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0
SC-204.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board	SOPREMA #15 EHD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0
SC-205.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	3.1.1	1 per 1.3 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-206.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft²	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-52.5
SC-207.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-52.5
SC-208.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 2.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-60.0
SC-209.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board	SOPREMA #15 EHD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-60.0
SC-210.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
SC-211.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-67.5
SC-212.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 2.0 ft²	SBS-AA or SBS-TAF (*D6164 only*)	(Optional) BP-AA, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-67.5
SC-213.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-75.0
SC-214.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF	-75.0
SC-215.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 200 psi, Min. 2-inch cellular lightweight concrete	Min. 0.125-inch SOPRABOARD	Dekfast #15 with 3" Round Insulation Plate or SOPREMA #15 Fastener with SOPREMA 3 in. Round Insulation Plate	1 per 1.3 ft²	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-82.5
SC-216.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-82.5
SC-217.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-90.0
SC-218.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	SBS-AA (sand surfaced); primed	None	SBS-SA1	-90.0
SC-219.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	One or more layers, min. 2-inch, any combination, loose laid	Min. 0.25-inch SOPRABOARD	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-120.0
SC-220.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-127.5
SC-221.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 2-inch, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-142.5
SC-222.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP or #15 HD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-157.5

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
SC-223.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP or #15 HD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-172.5
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:									
SC-224.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 3.2 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-30.0*
SC-225.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	3.1.1	1 per 2.6 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-30.0*
SC-226.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick or ELASTOCOL Stick Zero	3.1.1	1 per 2.3 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-37.5*
SC-227.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF	SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1, SBS-TAF	-37.5*
SC-228.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-229.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-230.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with D41, ELASTOCOL Stick or ELASTOCOL Stick Zero	3.1.1	1 per 2.7 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-231.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam III, H-Shield CG or Ultra-Max	3.1.1	1 per 2.0 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-232.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II or H-Shield *mist-primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero*	3.1.1	1 per 2.0 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
SC-233.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	3.1.1	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	-45.0*
SC-234.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick or ELASTOCOL Stick Zero	3.1.1	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-45.0*
SC-235.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF	SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1, SBS-TAF	-45.0
SC-236.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #15 EHD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF	SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1, SBS-TAF	-45.0
SC-237.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-52.5
SC-238.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 1.4-inch, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac)	1 per 1.8 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-60.0
SC-239.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #15 EHD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF	SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1, SBS-TAF	-60.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:									
SC-240.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-37.5*
SC-241.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	3.1.1	1 per 2.3 ft2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-37.5*
SC-242.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
SC-243.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
SC-244.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	3.1.1	1 per 2.0 ft²	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
SC-245.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0
SC-246.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #15 EHD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0
SC-247.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #15 EHD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-60.0

TABLE 2D: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

System No.	Deck (4.1.2)	Insulation Layer(s) (3.1.2)	Base Membrane			Roof Cover (3.1.4)		MDP (psf)
			Type (3.1.4.B)	Fastener (4.2.2)	Spacing	Ply	Cap	
With Fastener and Stress Plate:								
SC-248.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	SOPREMA #14 MP with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded side laps	None	SBS-CA3, SBS-CA4	-45.0*
SC-249.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #14 MP with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0*
SC-250.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #14 MP with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-45.0*
SC-251.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614	SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	18-inch o.c. within 5-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-SA1	-45.0*
SC-252.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622. Top surface primed with ELASTOCOL Stick Zero.	SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	18-inch o.c. within 5-inch wide, heat-welded side laps	None	SBS-SA1	-45.0*
SC-253.	Min. 22 ga., Type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	None	SBS-CA3, SBS-CA4	-52.5*
SC-254.	Min. 22 ga., Type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-52.5*
SC-255.	Min. 22 ga., Type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-TAF	SBS-TAF	-52.5*
SC-256.	Min. 22 ga., Type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded. Top surface primed with ELASTOCOL Stick Zero.	SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-SA1	SBS-SA1 or SBS-TAF	-52.5*
SC-257.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614	SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate or SOPREMA #14 with SOPRAFIX 2 in. or 2 3/8 in. SB Stress Plate	12-inch o.c. within 5-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-SA1	-60.0

TABLE 2D: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			TYPE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
SC-258.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622. Top surface primed with ELASTOCOL Stick Zero.	SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate or SOPREMA #14 with SOPRAFIX 2 in. or 2 3/8 in. SB Stress Plate	12-inch o.c. within 5-inch wide, heat-welded side laps	None	SBS-SA1	-60.0
SC-259.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	SOPREMA #15 HD with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-67.5
SC-260.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #15 HD with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-67.5
SC-261.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #15 HD with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-67.5
SC-262.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	SOPREMA #14 MP with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-67.5
SC-263.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #14 MP with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-67.5
SC-264.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #14 MP with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-67.5
SC-265.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-75.0
SC-266.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0
SC-267.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-75.0
SC-268.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0
SC-269.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-75.0
SC-270.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-97.5

TABLE 2D: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			TYPE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
SC-271.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-97.5
SC-272.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-97.5
SC-273.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	SOPREMA #15 HD with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-112.5
SC-274.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #15 HD with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-112.5
SC-275.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #15 HD with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-112.5
SC-276.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	SOPREMA #14 MP or #15 HD with SOPREMA 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-120.0
SC-277.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #14 MP or #15 HD with SOPREMA 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-120.0
SC-278.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #14 MP or #15 HD with SOPREMA 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-120.0
SC-279.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-135.0
SC-280.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-142.5
SC-281.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-202.5
WITH FASTENER AND BATTEN BARS OR BATTEN STRIPS:								
SC-282.	Min. 22 ga., Type B, Grade 33 steel.	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	SOPREMA #14 MP with SOPRAFIX MBB, MBB-R or PBB	18-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-45.0*
SC-283.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	SOPREMA #14 MP with SOPRAFIX MBB, MBB-R or PBB	18-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0*
SC-284.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	SOPREMA #14 MP with SOPRAFIX MBB, MBB-R or PBB	18-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-45.0*

TABLE 2D: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			TYPE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
SC-285.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614	SOPREMA #14 MP with SOPRAFIX MBB, MBB-R or PBB	18-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-SA1	-45.0*
SC-286.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622. Top surface primed with ELASTOCOL Stick Zero.	SOPREMA #14 MP with SOPRAFIX MBB, MBB-R or PBB	18-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-SA1	-45.0*
SC-287.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	OMG #15 Roofgrip Large Head with Polymer Batten Strip or SOPREMA #14 with SOPRAFIX MBB or MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-75.0
SC-288.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612	SOPREMA #14 MP with SOPRAFIX MBB or MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0
SC-289.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612	SOPREMA #14 MP with SOPRAFIX MBB or MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-75.0
SC-290.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	OMG #15 Roofgrip Large Head with Polymer Batten Strip or SOPREMA #14 with SOPRAFIX MBB or MBB-R	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-105.0
SC-291.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	OMG #15 Roofgrip Large Head with Polymer Batten Strip or SOPREMA #14 with SOPRAFIX MBB or MBB-R	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-105.0
SC-292.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	OMG #15 Roofgrip Large Head with Polymer Batten Strip or SOPREMA #14 with SOPRAFIX MBB or MBB-R	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-105.0
SC-293.	Min. 22 ga., Type B, Grade 33 steel	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat	SOPRAFIX Base 612 or 614	SOPREMA #15 EL with SOPRAFIX MBB	Lap Row: Alternate spacing 6-inch, 12-inch, 6-inch, 12-inch, 6-inch, and so on within the 5-inch heat-welded laps. Center Row: 12-inch o.c. in one center row	(Optional) SBS-TAF	SBS-TAF	-150.0

TABLE 2E: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-3: INSULATED, BONDED & MECHANICALLY ATTACHED BASE MEMBRANE, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	COVERBOARD			BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			TYPE	FASTEN	ATTACH	TYPE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
SC-294.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield, loose-laid	Min. 0.25-inch SOPRABOARD	3.1.1	1 per 4.0 ft²	SOPRAFIX Base 614 torch applied with 6-inch laps then mechanically fastened	SOPREMA #15-EL Fastener and SOPRAFIX 2-3/8 in. SB Stress Plate	12-inch o.c. in rows 12-inch apart	SBS-TAF	SBS-TAF	-112.5
SC-295.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield, loose-laid	Min. 0.25-inch SOPRABOARD	3.1.1	1 per 4.0 ft²	SOPRAFIX Base 614 torch applied with 6-inch laps then mechanically fastened	SOPREMA #15-EL Fastener and SOPRAFIX 2-3/8 in. SB Stress Plate	6-inch o.c. in rows 18-inch apart	SBS-TAF	SBS-TAF	-157.5
SC-296.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield, loose-laid	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell Glass Mat Roof Board, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 4.0 ft²	SELECT SBS POLY FLAM, SOPRALENE Flam 180, SOPRALENE Flam 250, SOPRAFIX Base 612 or SOPRAFIX Base 614 torch applied with 3-inch laps then mechanically fastened	SOPREMA #14 or #15-EL with SOPRAFIX 2 in. SB or SOPRAFIX 2-3/8 in SB Stress Plate	12-inch o.c. atop the laps and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-TAF	SBS-AA or SBS-TAF	-165.0
SC-297.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield, loose-laid	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell Glass Mat Roof Board, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 4.0 ft²	SOPRALENE 180 SP 3.0, SOPRALENE 180 SP 3.5 or SOPRAFIX Base 622 torch applied with 3-inch laps then mechanically fastened	SOPREMA #14 or #15-EL with SOPRAFIX 2 in. SB or SOPRAFIX 2-3/8 in SB Stress Plate	12-inch o.c. atop the laps and 12-inch o.c. in two, equally spaced, staggered center rows	BP-AA or SBS-AA	SBS-AA or SBS-TAF	-165.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:										
C-1.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-105.0
C-2.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.5-inch 0.5-in. Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-150.0
C-3.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-4.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-337.5
C-5.	Structural Concrete	None	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	None	N/A	SBS-CA3	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-337.5
C-6.	Structural Concrete	None	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	None	N/A	SBS-CA3	None	SBS-CA3, SBS-CA4	-382.5
C-7.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-337.5
C-8.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-382.5
C-9.	Structural Concrete	None	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
C-10.	Structural Concrete	None	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-307.5
C-11.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-382.5
C-12.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-190.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-13.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or SOPRA-XPS	DUOTACK, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-14.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-285.0
C-15.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or SOPRA-XPS	DUOTACK	0.5-in. Blue Ridge Structodek HD with Primed Red Coating	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-187.5
C-16.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or SOPRA-XPS	DUOTACK, 6-inch o.c.	0.5-in. Blue Ridge Structodek HD with Primed Red Coating	DUOTACK, 6-inch o.c.	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-17.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf Atlas ThermalStar	DUOTACK	Min. 0.5-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-150.0
C-18.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-315.0
C-19.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-120.0
C-20.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or SOPRA-XPS	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-187.5
C-21.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or SOPRA-XPS	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-22.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-152.5
C-23.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-315.0
C-24.	Structural Concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	None	N/A	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-337.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-25.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Ultra-Max	DUOTACK SPF	Min. 0.125-inch SOPRABOARD	DUOTACK SPF	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-277.5
C-26.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Ultra-Max	DUOTACK SPF	SOPRASMART Board 180 Sanded	DUOTACK SPF	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-277.5
C-27.	Structural Concrete	None	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-180.0
C-28.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-190.0
C-29.	Structural Concrete	None	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-240.0
C-30.	Structural Concrete	None	Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-270.0
C-31.	Structural Concrete	None	(Optional) Min. 1-inch ACFoam II	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-315.0
C-32.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	None	N/A	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-337.5
C-33.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	None	N/A	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-382.5
C-34.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-190.0
C-35.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA, 4-inch o.c.	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-285.0
C-36.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch DensDeck Prime	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-195.0
C-37.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Trufast RA	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-120.0
C-38.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Trufast RA	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-187.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-39.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Trufast RA, 4-inch o.c.	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-40.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	Trufast RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-152.5
C-41.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-195.0
HOT OR TORCH APPLIED BASE PLY:										
C-42.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-155.0
C-43.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-155.0
C-44.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-277.5
C-45.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA or SBS-TAF	-365.0
C-46.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-CA3	-365.0
C-47.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-150.0
C-48.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-187.5
C-49.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-452.5
C-50.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-SA1	-247.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-51.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-375.0
C-52.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4	-382.5
C-53.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-397.5
C-54.	Structural Concrete	D41	(Optional) Min. 1.4-inch ACFoam II, ENRGY 3 or H-Shield	hot asphalt	Min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	BP-AA or SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-420.0
C-55.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-152.5
C-56.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-TAP	(Optional) BP-AA, SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
C-57.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-382.5
C-58.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
C-59.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAP	None	SBS-AA or SBS-TAF	-150.0
C-60.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-152.5
C-61.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-307.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-62.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-382.5
C-63.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, SBS-SA1	SBS-CA3, SBS-CA4, SBS-SA1	-285.0
C-64.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-367.5
C-65.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or SOPRA-XPS	DUOTACK	0.5-in. Blue Ridge Structodek HD with Primed Red Coating	DUOTACK	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-187.5
C-66.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or SOPRA-XPS	DUOTACK, 6-inch o.c.	0.5-in. Blue Ridge Structodek HD with Primed Red Coating	DUOTACK, 6-inch o.c.	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-227.5
C-67.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-187.5
C-68.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-232.5
C-69.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf Atlas ThermalStar	DUOTACK	Min. 0.5-inch DensDeck Prime	DUOTACK	SBS-TAF	SBS-TAF	SBS-TAF	-257.5
C-70.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-315.0
C-71.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-315.0
C-72.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or SOPRA-XPS	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-187.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-73.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or SOPRA-XPS	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-227.5
C-74.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-152.5
C-75.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-315.0
C-76.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Ultra-Max	DUOTACK SPF	Min. 0.125-inch SOPRABOARD	DUOTACK SPF	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-277.5
C-77.	Structural Concrete	None	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-180.0
C-78.	Structural Concrete	None	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-240.0
C-79.	Structural Concrete	None	Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-270.0
C-80.	Structural Concrete	None	(Optional) Min. 1-inch ACFoam II	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-315.0
C-81.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-592.5
C-82.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
C-83.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch DensDeck Prime	Trufast RA	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-84.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Trufast RA	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-187.5
C-85.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Trufast RA, 4-inch o.c.	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-227.5
C-86.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	Trufast RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-152.5
C-87.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board	Trufast RA	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:										
C-88.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3.	hot asphalt	(Optional) Additional layers of base insulation	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-155.0
C-89.	Structural Concrete	D41	(Optional) One or more layers min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3.	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-155.0
C-90.	Structural Concrete	D41	(Optional) One or more layers min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3.	hot asphalt	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	hot asphalt	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-155.0
C-91.	Structural Concrete	D41	(Optional) Min. 2-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-172.5
C-92.	Structural Concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3.	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-150.0
C-93.	Structural Concrete	None	Min. 1.4-inch ACFoam II or H-Shield	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-225.0
C-94.	Structural Concrete	None	One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-152.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-95.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-150.0
C-96.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-215.0
C-97.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA or SBS-SA1	-270.0
C-98.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-382.5
C-99.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-150.0
C-100.	Structural Concrete	None	One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1	-152.5
C-101.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK, 6-inch o.c.	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	(Optional) SBS-SA1	None	SBS-SA1	-215.0
C-102.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-270.0
C-103.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-190.0
C-104.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-285.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-105.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-315.0
C-106.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-120.0
C-107.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-152.5
C-108.	Structural Concrete	None	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-172.5
C-109.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK, 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-215.0
C-110.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-315.0
C-111.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Ultra-Max	DUOTACK SPF	Min. 0.125-inch SOPRABOARD	DUOTACK SPF	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-277.5
C-112.	Structural Concrete	None	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-180.0
C-113.	Structural Concrete	None	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-180.0
C-114.	Structural Concrete	None	(Optional) Min. 1-inch ACFoam II, Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG or Ultra-Max or Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-190.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-115.	Structural Concrete	None	(Optional) Min. 1-inch ACFoam II, Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG or Ultra-Max or Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-215.0
C-116.	Structural Concrete	None	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-240.0
C-117.	Structural Concrete	None	Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-270.0
C-118.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	None	N/A	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-285.0
C-119.	Structural Concrete	None	(Optional) Min. 1-inch ACFoam II	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-315.0
C-120.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	None	N/A	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-382.5
C-121.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-190.0
C-122.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA, 4-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-285.0
C-123.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-195.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-124.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-120.0
C-125.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	Trufast RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-152.5
C-126.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-172.5
C-127.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	Trufast RA, 4-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA, 4-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-215.0
C-128.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-195.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:										
C-129.	Structural Concrete	None	Min. 2-inch H-Shield CG	DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation. Top surface shall be primed with ELASTOCOL Stick.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-97.5
C-130.	Structural Concrete	None	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-97.5
C-131.	Structural Concrete	None	One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-152.5
C-132.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-215.0
C-133.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-270.0
C-134.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-190.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-135.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-285.0
C-136.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-120.0
C-137.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Ultra-Max	DUOTACK SPF	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-270.0
C-138.	Structural Concrete	None	(Optional) Min. 1-inch ACFoam II, Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG or Ultra-Max or Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-190.0
C-139.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	None	N/A	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-285.0
C-140.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-190.0
C-141.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA, 4-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-285.0
C-142.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-120.0

TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	VAPOR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
HOT OR TORCH APPLIED BASE PLY:										
C-143.	ASTM D41 primed structural concrete	COLVENT TG, COLVENT 180 TG, torch-applied	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	hot asphalt	Min. 0.25-inch DensDeck Prime	hot asphalt	BP-AA	SBS-AA ('PS' with film upper surface)	SBS-TAF	-195.0
C-144.	ASTM D41 primed structural concrete	COLVENT TG, COLVENT 180 TG, torch-applied	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	hot asphalt	Min. 0.125-inch SOPRABOARD or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA	SBS-AA or SBS-TAF	SBS-TAF	-240.0
C-145.	ELASTOCOL 500 primed structural concrete	SOPRALENE 250 SP 4.0, torch-applied	Base Layer(s): One or more layers, min. 2-inch SOPRA-XPS 60 or Dupont STYROFOAM HIGHLOAD 60. Top Layer(s): One or more layers, min. 0.5-inch flat or tapered SOPRA-XPS 60 or Dupont STYROFOAM HIGHLOAD 60	DUOTACK 365	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365	SOPRALENE Flam 250, torch-applied	None	SOPRALENE Flam 250 FR GR, torch-applied	-650.0
C-146.	ELASTOCOL 500 primed structural concrete	SOPRALENE 250 SP 4.0, torch-applied	Base Layer(s): One or more layers, min. 2-inch SOPRA-XPS 60. Top Layer(s): One or more layers, min. 0.5-inch flat or tapered SOPRA-XPS 60	DUOTACK SPF HFO	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SOPRALENE Flam 250, torch-applied	None	SOPRALENE Flam 250 FR GR, torch-applied	-650.0

TABLE 3C: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	INSULATION AND/OR THERMAL BARRIER (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
WITH FASTENER AND STRESS PLATE:								
C-147.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded side laps	None	SBS-CA3, SBS-CA4	-45.0*
C-148.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0*
C-149.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-45.0*
C-150.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2" Barbed Metal Seam Plate or Trufast 2.4" Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	18-inch o.c. within 5-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-SA1	-45.0*
C-151.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622. Top surface primed with ELASTOCOL Stick Zero.	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2" Barbed Metal Seam Plate or Trufast 2.4" Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	18-inch o.c. within 5-inch wide, heat-welded side laps	None	SBS-SA1	-45.0*
C-152.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2" Barbed Metal Seam Plate or Trufast 2.4" Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	12-inch o.c. within 5-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-SA1	-60.0
C-153.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622. Top surface primed with ELASTOCOL Stick Zero.	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2" Barbed Metal Seam Plate or Trufast 2.4" Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	12-inch o.c. within 5-inch wide, heat-welded side laps	None	SBS-SA1	-60.0
C-154.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-67.5

TABLE 3C: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

System No.	Deck (4.1.2)	Insulation and/or Thermal Barrier (3.1.2)	Base Membrane			Roof Cover (3.1.4)		MDP (psf)
			Base (3.1.4.B)	Fastener (4.2.2)	Spacing	Ply	Cap	
C-155.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-67.5
C-156.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-67.5
C-157.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 HP with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-75.0
C-158.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0
C-159.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-75.0
C-160.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2.4 in. Scoop Seam Plate or SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-97.5
C-161.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-97.5
C-162.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-97.5
C-163.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-112.5
C-164.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-112.5
C-165.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-112.5
C-166.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-120.0
C-167.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-120.0
C-168.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-120.0
C-169.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611 or 612	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-142.5
C-170.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-202.5
WITH FASTENER AND BATTEN BARS OR BATTEN STRIPS:								
C-171.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD, Trufast ¼" Concrete Spike or SOPREMA #14 MP with SOPRAFIX MBB-R	18-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-45.0*
C-172.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Trufast #14 HD, Trufast ¼" Concrete Spike or SOPREMA #14 MP with SOPRAFIX MBB-R	18-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0*

TABLE 3C: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

System No.	Deck (4.1.2)	Insulation and/or Thermal Barrier (3.1.2)	Base Membrane			Roof Cover (3.1.4)		MDP (psf)
			Base (3.1.4.B)	Fastener (4.2.2)	Spacing	Ply	Cap	
C-173.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Trufast #14 HD, Trufast ¼" Concrete Spike or SOPREMA #14 MP with SOPRAFIX MBB-R	18-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-45.0*
C-174.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614	Trufast #14 HD, Trufast ¼" Concrete Spike or SOPREMA #14 MP with SOPRAFIX MBB-R	18-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-SA1	-45.0*
C-175.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622. Top surface primed with ELASTOCOL Stick Zero.	Trufast #14 HD, Trufast ¼" Concrete Spike or SOPREMA #14 MP with SOPRAFIX MBB-R	18-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-SA1	-45.0*
C-176.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612	Trufast #14 HD, Trufast ¼" Concrete Spike or SOPREMA #14 MP with SOPRAFIX MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0
C-177.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612	Trufast #14 HD, Trufast ¼" Concrete Spike or SOPREMA #14 MP with SOPRAFIX MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-75.0

TABLE 3D: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (4.1.2)	Primer	Roof Cover (3.1.4)			MDP (psf)
			Base	Ply	Cap	
Cold Applied Base Ply:						
C-178.	Structural Concrete	ASTM D41, ELASTOCOL 500	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-97.5
C-179.	Structural Concrete	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-180.0
C-180.	Structural Concrete	None	SBS-CA3	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	-255.0
C-181.	Structural Concrete	ASTM D41, ELASTOCOL 500	SBS-CA3	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	-270.0
Hot or Torch Applied Base Ply:						
C-182.	Structural Concrete	ELASTOCOL 500, ELASTOCOL Stick	SBS-TAP	(Optional) BP-AA or SBS-AA	SBS-AA	-267.5
C-183.	Structural Concrete	ELASTOCOL 500, ELASTOCOL Stick	SBS-TAP	(Optional) SBS-TAF	SBS-TAF	-295.0
C-184.	Structural Concrete	ASTM D41	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-367.5
ELASTOPHENE Stick, SOPRALENE Stick or SOPRALENE Flam Stick Base Ply:						
C-185.	Structural Concrete	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-CA4 or SBS-SA1	SBS-CA4 or SBS-SA1	-67.5
C-186.	Structural Concrete	ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1	(Optional) BP-AA or SBS-AA	SBS-AA	-242.5
C-187.	Structural Concrete	ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-272.5
ELASTOPHENE ULTRA-STICK or SOPRALENE ULTRA-STICK Base Ply:						
C-188.	Structural Concrete	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-304.0

TABLE 4A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
CELCORE:										
COLD APPLIED BASE PLY:										
LWC-1.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	(Optional) Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-105.0
LWC-2.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	(Optional) Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
LWC-3.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	(Optional) Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-105.0
LWC-4.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-180.0
LWC-5.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-240.0
LWC-6.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 1.5-inch ACFoam III, H-Shield CG or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-270.0
HOT OR TORCH APPLIED BASE PLY:										
LWC-7.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.125-inch SOPRABOARD	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-8.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-170.0

TABLE 4A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
LWC-9.	Structural Concrete	**Vapor Barrier; Required:** ELASTOPHENE SP 2.2, ELASTOPHENE SP 3.0, SOPRALENE 180 SP 3.0 or SOPRALENE 180 SP 3.5, torch applied **LWC:** Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore SBS (Sanded Bonding Surface) at 1 gal/square.	Min. 0.125-inch SOPRABOARD	DUOTACK	None	N/A	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-410.0
LWC-10.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	None	N/A	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-115.0
LWC-11.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
LWC-12.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-170.0
LWC-13.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-14.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-170.0
LWC-15.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.5-inch SECUROCK Cement Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-16.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	Min. 0.5-inch SECUROCK Cement Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-170.0

TABLE 4A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
LWC-17.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-18.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-170.0
LWC-19.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-20.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-120.0
LWC-21.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-22.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-170.0
LWC-23.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-180.0
LWC-24.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-240.0
LWC-25.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 1.5-inch ACFoam III, H-Shield CG or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-270.0
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:										

TABLE 4A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
LWC-26.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.125-inch SOPRABOARD	DUOTACK	None	N/A	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-115.0
LWC-27.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-155.0
LWC-28.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-155.0
LWC-29.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-180.0
LWC-30.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-180.0
LWC-31.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 1.5-inch ACFoam III, H-Shield CG or Ultra-Max or Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-215.0
LWC-32.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-240.0

TABLE 4A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
LWC-33.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 1.5-inch ACFoam III, H-Shield CG or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-270.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:										
LWC-34.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	None	N/A	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-115.0
LWC-35.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-155.0
PRE-EXISTENT CELLULAR LWC:										
TORCH APPLIED BASE PLY:										
LWC-36.	Structural Concrete	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per* (4.2.2)	Min. 0.125-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	None	N/A	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-210.0

TABLE 4B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
PRE-EXISTENT CELLULAR LWC:											
COLD APPLIED BASE PLY:											
LWC-37.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
LWC-38.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
LWC-39.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-60.0
LWC-40.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
HOT OR TORCH APPLIED BASE PLY:											
LWC-41.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

TABLE 4B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
LWC-42.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
LWC-43.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-60.0
LWC-44.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:											
LWC-45.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
LWC-46.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-60.0

TABLE 4B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
LWC-47.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top suface primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

TABLE 4C: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET		VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER(S)		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
PRE-EXISTENT CELLULAR LWC:													
COLD APPLIED BASE PLY:													
LWC-48.	Min. 22 ga., Type BV, Grade 40 steel	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per (4.2.2)*	MODIFIED SOPRA G	SOPREMA 1.7 in. Base Sheet Fastener, 9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII	DUOTACK	Min.0.125-inch SOPRABOARD	DUOTACK	SBS-CA3 or SBS-CA4	(Optional) SBS-CA4	SBS-CA3 or SBS-CA4	-45.0
HOT OR TORCH APPLIED BASE PLY:													
LWC-49.	Min. 22 ga., Type BV, Grade 40 steel	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per (4.2.2)*	MODIFIED SOPRA G	SOPREMA 1.7 in. Base Sheet Fastener, 9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII	DUOTACK	Min.0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:													
LWC-50.	Min. 22 ga., Type BV, Grade 40 steel	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per (4.2.2)*	MODIFIED SOPRA G	SOPREMA 1.7 in. Base Sheet Fastener, 9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII	DUOTACK	Min.0.125-inch SOPRABOARD. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-45.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:													

TABLE 4C: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET		VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER(S)		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
LWC-51.	Min. 22 ga., Type BV, Grade 40 steel	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per* (4.2.2)	MODIFIED SOPRA G	SOPREMA 1.7 in. Base Sheet Fastener, 9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII	DUOTACK	Min.0.125-inch SOPRABOARD. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0

TABLE 4D: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY(S)	CAP	
CELCORE:								
LWC-52.	Min 22 ga., Type B steel; 5 ft span or structural concrete	Celcore Cellular Concrete, Min. 200 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at min. 3-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-45.0
LWC-53.	Min 22 ga., Type B steel; 5 ft span or structural concrete	Celcore Cellular Concrete, Min. 200 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at min. 3-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-45.0
LWC-54.	Min. 22 ga., Type B steel; 5 ft span, min. 20 ga., Type N or DR steel; 8 ft span or structural concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 350 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4	-52.5
LWC-55.	Min. 22 ga., Type B steel; 5 ft span, min. 20 ga., Type N or DR steel; 8 ft span or structural concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-60.0
LWC-56.	Min. 22 ga., Type B steel; 5 ft span, min. 20 ga., Type N or DR steel; 8 ft span or structural concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-60.0
LWC-57.	Min. 22 ga., Type B or BV steel; 6 ft span, min. 20 ga., Type N or DR steel; 8 ft span or structural concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-67.5

TABLE 4D: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY(S)	CAP	
LWC-58.	Min. 22 ga., Type B or BV steel; 6 ft span, min. 20 ga., Type N or DR steel; 8 ft span or structural concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-AA, SBS-TAF	-67.5
LWC-59.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Celcore Cellular Concrete, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-75.0
LWC-60.	Min. 20 ga., Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-75.0
LWC-61.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Celcore Cellular Concrete, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-75.0
LWC-62.	Min. 20 ga., Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-75.0
CONCRECEL:								
LWC-63.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Deck treated with Concrecel Bonding Agent; Concrecel Concrete, Min. 300 psi, Min. 2.25-inch top coat. After setting to support foot traffic, Concrecel Curing Compound.	MODIFIED SOPRA G, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-52.5
LWC-64.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Deck treated with Concrecel Bonding Agent; Concrecel Concrete, Min. 300 psi, Min. 2.25-inch top coat. After setting to support foot traffic, Concrecel Curing Compound.	SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-52.5
LWC-65.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Deck treated with Concrecel Bonding Agent; Concrecel Concrete, Min. 300 psi, Min. 2.25-inch top coat. After setting to support foot traffic, Concrecel Curing Compound.	SOPRABASE S, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SELECT SBS POLY SANDED	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-82.5
LWC-66.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Deck treated with Concrecel Bonding Agent; Concrecel Concrete, Min. 300 psi, Min. 2.25-inch top coat. After setting to support foot traffic, Concrecel Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-82.5
ELASTIZELL:								
LWC-67.	Min. 26 ga. steel; 5 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2-inch top coat	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-30.0

TABLE 4D: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY(S)	CAP	
LWC-68.	Min. 26 ga. steel; 5 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2-inch top coat	SOPRA 4897	SOPREMA BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-30.0
LWC-69.	Min. 26 ga. steel; 5 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2-inch top coat	SOPRABASE TG	SOPREMA BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-30.0
LWC-70.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2.5-inch top coat.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-45.0
LWC-71.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2.5-inch top coat.	SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-45.0
LWC-72.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2.5-inch top coat.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-45.0
LWC-73.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2-inch top coat	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-45.0
LWC-74.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2-inch top coat	SOPRA 4897	SOPREMA BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-45.0
LWC-75.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2-inch top coat	SOPRABASE TG	SOPREMA BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-45.0
MEARLCRETE:								
LWC-76.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Mearlcrete, Min. 200 psi, Min. 2.5-inch top coat	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-45.0
LWC-77.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Mearlcrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-45.0
LWC-78.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Mearlcrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-45.0
LWC-79.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Mearlcrete, Min. 250 psi, Min. 2-inch top coat	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	OMG CR Base Ply Fastener (1.7)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-52.5

TABLE 4D: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY(S)	CAP	
LWC-80.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Mearlcrete, Min. 250 psi, Min. 2-inch top coat	SOPRA 4897	OMG CR Base Ply Fastener (1.7)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-52.5
LWC-81.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Mearlcrete, Min. 250 psi, Min. 2-inch top coat	SOPRABASE TG	OMG CR Base Ply Fastener (1.7)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-52.5
SIPLAST NVS INSULATING CONCRETE:								
LWC-82.	Min. 22 ga., Type B, Grade 33 steel at max 6 ft spans or structural concrete	NVS, Min. 310 psi, Min. 1-inch top coat	MODIFIED SOPRA G or SOPRABASE S	Trufast FM-75	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-AA2 or SBS-TAF	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TAF	-45.0
LWC-83.	Min. 22 ga., Type B, Grade 33 steel at max 6 ft spans or structural concrete	NVS, Min. 310 psi, Min. 1-inch top coat	SOPRA 4897	Trufast FM-75	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4, SBS-AA, SBS-AA2 or SBS-TAF	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TAF	-45.0
LWC-84.	Min. 22 ga., Type B, Grade 33 steel at max 6 ft spans or structural concrete	NVS, Min. 310 psi, Min. 1-inch top coat	SOPRABASE TG	Trufast FM-75	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TAF	-45.0
LWC-85.	Min. 22 ga., Type B, Grade 33 steel at max 6 ft spans or structural concrete	NVS, Min. 310 psi, Min. 1-inch top coat	SOPRABASE S or SOPRA 4897. Top surface shall be primed with ELASTOCOL Stick Zero	Trufast FM-75	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	SBS-SA1	SBS-SA1 or SBS-TAF	-45.0
LWC-86.	Min. 22 ga., Type B, Grade 33 steel at max 6 ft spans or structural concrete	NVS, Min. 310 psi, Min. 1-inch top coat	ULTRA-STICK Nail Base	Trufast FM-75	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	SBS-SA2	SBS-SA2	-45.0
PRE-EXISTENT CELLULAR LWC:								
LWC-87.	Min. 22 ga. Type B steel; 5 ft span or structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. *Note: 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 88 lbf when tested per* (4.2.2)	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Trufast Twin Loc-Nail	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-60.0
LWC-88.	Min. 22 ga. Type B steel; 5 ft span or structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. *Note: 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 110 lbf when tested per* (4.2.2)	SOPRABASE S, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SELECT SBS POLY SANDED	Min. 1.8-inch Trufast Twin Loc-Nail	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-75.0
LWC-89.	Min. 22 ga. Type B steel; 5 ft span or structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. *Note: 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 110 lbf when tested per* (4.2.2)	SOPRABASE TG	Min. 1.8-inch Trufast Twin Loc-Nail	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-75.0

TABLE 4E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR CWF DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: THERMAL BARRIER TO DECK, VAPOR BARRIER TO THERMAL BARRIER, LWC TO VAPOR BARRIER, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (4.1.2)	Thermal Barrier			Vapor Barrier (3.1.4)	Lightweight Concrete (3.1.2)	Base Sheet			Roof Cover (3.1.4)		MDP (psf)
		Type	Fasten (4.2.2)	Attach (3.1.2.E)			Base	Fastener (4.2.2)	Spacing	Base Ply	Cap	
CELCORE:												
LWC-90.	Min. 22 ga. Type B steel; 6 ft span	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft²	SBS-AA (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-60.0
LWC-91.	Min. 22 ga. Type B steel; 6 ft span	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft²	SBS-AA (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-AA, SBS-TAF	-60.0
LWC-92.	Min. 22 ga. Type B steel; 6 ft span	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft²	SBS-AA or SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
LWC-93.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
LWC-94.	Min. 22 ga. Type B steel; 6 ft span	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft²	SBS-AA or SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-AA, SBS-TAF	-60.0
LWC-95.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-AA, SBS-TAF	-60.0
LWC-96.	Min. 22 ga. Type B steel; 6 ft span	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft²	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-75.0

TABLE 4E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR CWF DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: THERMAL BARRIER TO DECK, VAPOR BARRIER TO THERMAL BARRIER, LWC TO VAPOR BARRIER, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (4.1.2)	Thermal Barrier			Vapor Barrier (3.1.4)	Lightweight Concrete (3.1.2)	Base Sheet			Roof Cover (3.1.4)		MDP (psf)
		Type	Fasten (4.2.2)	Attach (3.1.2.E)			Base	Fastener (4.2.2)	Spacing	Base Ply	Cap	
LWC-97.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-75.0
LWC-98.	Min. 22 ga. Type B steel; 6 ft span	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-AA, SBS-TAF	-75.0
LWC-99.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-AA, SBS-TAF	-75.0
LWC-100.	Min. 22 ga. Type B, Grade 33 steel; 6 ft span	Min. 0.625-inch DensDeck Prime	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft^2	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-AA, SBS-TAF	-82.5
LWC-101.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-AA, SBS-TAF	-82.5
LWC-102.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span	Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	Prelim. attach	SBS-AA or SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 614	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate (to engage steel deck)	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-82.5
CONCRECEL:												

TABLE 4E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR CWF DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: THERMAL BARRIER TO DECK, VAPOR BARRIER TO THERMAL BARRIER, LWC TO VAPOR BARRIER, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (4.1.2)	Thermal Barrier			Vapor Barrier (3.1.4)	Lightweight Concrete (3.1.2)	Base Sheet			Roof Cover (3.1.4)		MDP (psf)
		Type	Fasten (4.2.2)	Attach (3.1.2.E)			Base	Fastener (4.2.2)	Spacing	Base Ply	Cap	
LWC-103.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	SBS-TAF (sanded top)	Deck treated with Concrecel Bonding Agent; Concrecel Concrete, Min. 350 psi, Min. 2.25-inch top coat	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TAF	SBS-TAF	-75.0
LWC-104.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL 500	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	SBS-TAF (sanded top)	Deck treated with Concrecel Bonding Agent; Concrecel Concrete, Min. 350 psi, Min. 2.25-inch top coat	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TAF	SBS-TAF	-82.5
LWC-105.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TAF (sanded top)	Deck treated with Concrecel Bonding Agent; Concrecel Concrete, Min. 350 psi, Min. 2.25-inch top coat	SOPRABASE TG	SOPREMA BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TAF	SBS-TAF	-82.5

TABLE 4F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
CELCORE:								
LWC-106.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Celcore Cellular Concrete, Min. 200 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-37.5
LWC-107.	Min. 20 ga. Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 260 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-37.5
LWC-108.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Celcore Cellular Concrete, Min. 200 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5
LWC-109.	Min. 20 ga. Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 260 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5
LWC-110.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Celcore Cellular Concrete, Min. 200 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-37.5
LWC-111.	Min. 20 ga. Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 260 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-37.5
LWC-112.	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, min. 20 ga., Type N or DR steel; 8 ft span or structural concrete	Deck treated with Celcore S-1. Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound. Optional Celcore SBS (Sanded Bonding Surface) may be applied.	SOPRAFIX Base 622	2-1/4" Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate, parallel to the width-direction of the sheet.	None	SBS-CA3, SBS-CA4	-45.0
LWC-113.	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, min. 20 ga., Type N or DR steel; 8 ft span or structural concrete	Deck treated with Celcore S-1. Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound. Optional Celcore SBS (Sanded Bonding Surface) may be applied.	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate, parallel to the width-direction of the sheet.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0

TABLE 4F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
LWC-114.	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, min. 20 ga., Type N or DR steel; 8 ft span or structural concrete	Deck treated with Celcore S-1. Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound. Optional Celcore SBS (Sanded Bonding Surface) may be applied.	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate, parallel to the width-direction of the sheet.	(Optional) One or two SBS-TAF	SBS-TAF	-45.0
LWC-115.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Celcore Cellular Concrete, Min. 200 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-45.0
LWC-116.	Min. 20 ga. Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 260 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-45.0
LWC-117.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Celcore Cellular Concrete, Min. 200 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613 or 614	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-118.	Min. 20 ga. Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 260 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613 or 614	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-119.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Celcore Cellular Concrete, Min. 200 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613 or 614	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-45.0
LWC-120.	Min. 20 ga. Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 260 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613 or 614	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-45.0
LWC-121.	Structural concrete	Treatment: Optional, Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound. Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 622	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate, parallel to the width-direction of the sheet.	None	SBS-CA3, SBS-CA4	-45.0

TABLE 4F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
LWC-122.	Structural concrete	Treatment: Optional, Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound. Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate, parallel to the width-direction of the sheet.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-123.	Structural concrete	Treatment: Optional, Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound. Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate, parallel to the width-direction of the sheet.	(Optional) One or two SBS-TAF	SBS-TAF	-45.0
LWC-124.	Structural concrete	Treatment: Optional when Vapor Barrier installed (Table VB-4), Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound. Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 622	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Four (4) min. 2¼" long Versa-Fast Fasteners installed into every-other hole of the Versa-Fast Plate, forming a square pattern with the square edges oriented in the principle directions of the roll.	None	SBS-CA3, SBS-CA4	-75.0
LWC-125.	Min. 20 ga., Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 622	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Four (4) min. 2¼" long Versa-Fast Fasteners installed into every-other hole of the Versa-Fast Plate, forming a square pattern with the square edges oriented in the principle directions of the roll.	None	SBS-CA3, SBS-CA4	-75.0
LWC-126.	Structural concrete	Treatment: Optional when Vapor Barrier installed (Table VB-4), Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound. Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Four (4) min. 2¼" long Versa-Fast Fasteners installed into every-other hole of the Versa-Fast Plate, forming a square pattern with the square edges oriented in the principle directions of the roll.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0
LWC-127.	Min. 20 ga., Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Four (4) min. 2¼" long Versa-Fast Fasteners installed into every-other hole of the Versa-Fast Plate, forming a square pattern with the square edges oriented in the principle directions of the roll.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0

TABLE 4F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
LWC-128.	Structural concrete	Treatment: Optional when Vapor Barrier installed (Table VB-4), Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound. Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Four (4) min. 2¼" long Versa-Fast Fasteners installed into every-other hole of the Versa-Fast Plate, forming a square pattern with the square edges oriented in the principle directions of the roll.	(Optional) One or two SBS-TAF	SBS-TAF	-75.0
LWC-129.	Min. 20 ga., Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Four (4) min. 2¼" long Versa-Fast Fasteners installed into every-other hole of the Versa-Fast Plate, forming a square pattern with the square edges oriented in the principle directions of the roll.	(Optional) One or two SBS-TAF	SBS-TAF	-75.0
LWC-130.	Min. 20 ga., Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 660 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRALENE 250 Sanded	Tri-Fixx	6-inch o.c. within 5-inch wide laps. Fastener row sealed within side laps using COLPLY EF Adhesive at 50 lineal-ft/gallon.	None	SBS-CA3, SBS-CA4	-75.0
LWC-131.	Min. 20 ga., Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 660 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 614	Tri-Fixx	6-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0
LWC-132.	Min. 20 ga., Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 660 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613 or 614	Tri-Fixx	6-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-75.0
LWC-133.	Min. 22 ga. Type BV, Grade 40 steel; 6 ft span or structural concrete	Treatment: Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 660 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRALENE 250 Sanded	Tri-Fixx	6-inch o.c. within 5-inch wide laps. Fastener row sealed within side laps using COLPLY EF Adhesive at 50 lineal-ft/gallon.	None	SBS-CA3, SBS-CA4	-82.5
LWC-134.	Min. 22 ga. Type BV, Grade 40 steel; 6 ft span or structural concrete	Treatment: Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 660 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 614	Tri-Fixx	6-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-82.5
LWC-135.	Min. 22 ga. Type BV, Grade 40 steel; 6 ft span or structural concrete	Treatment: Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 660 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 614	Tri-Fixx	6-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-82.5

TABLE 4F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
LWC-136.	Min. 22 ga. Type BV, Grade 40 steel; 5 ft span or structural concrete	Treatment: Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 460 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	Versa-Fast Plate spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Four (4) min. 2¼" long Versa-Fast Fasteners installed into every-other hole of the Versa-Fast Plate, forming a square pattern with the square edges oriented in the principle directions of the roll.	(Optional) One or two SBS-TAF	SBS-TAF	-112.5 NO HVHZ
LWC-137.	Min. 22 ga. Type BV, Grade 40 steel; 5 ft span or structural concrete	Treatment: Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 460 psi, Min. 2-inch top coat. . After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 613 or 614	Tri-Fixx	6-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-135.0 NO HVHZ
CONCRECEL:								
LWC-138.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Concrecel Concrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-37.5
LWC-139.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Concrecel Concrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5
LWC-140.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Concrecel Concrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-37.5
LWC-141.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Concrecel Concrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-45.0
LWC-142.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Concrecel Concrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-143.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Concrecel Concrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-45.0
LWC-144.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Concrecel Concrete, Min. 300 psi, Min. 2.25-inch top coat	SOPRAFIX Base 622	Tri-Fixx	7-inch o.c. within the 5-inch wide heat-welded side lap	None	SBS-CA3, SBS-CA4	-52.5

TABLE 4F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
LWC-145.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Concrecel Concrete, Min. 300 psi, Min. 2.25-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	7-inch o.c. within the 5-inch wide heat-welded side lap	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-52.5
LWC-146.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Concrecel Concrete, Min. 300 psi, Min. 2.25-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	7-inch o.c. within the 5-inch wide heat-welded side lap	(Optional) One or two SBS-TAF	SBS-TAF	-52.5
ELASTIZELL:								
LWC-147.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2.5-inch top coat.	SOPRAFIX Base 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-37.5
LWC-148.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2.5-inch top coat.	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5
LWC-149.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2.5-inch top coat.	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-37.5
LWC-150.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2.5-inch top coat.	SOPRAFIX Base 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-45.0
LWC-151.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2.5-inch top coat.	SOPRAFIX Base 613 or 614	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-152.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2.5-inch top coat.	SOPRAFIX Base 613 or 614	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-45.0
LWC-153.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 300 psi, Min. 2-inch top coat.	SOPRAFIX Base 622	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	None	SBS-CA3, SBS-CA4	-67.5
LWC-154.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 300 psi, Min. 2-inch top coat.	SOPRAFIX Base 613 or 614	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-67.5

TABLE 4F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
LWC-155.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 300 psi, Min. 2-inch top coat.	SOPRAFIX Base 613 or 614	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	(Optional) One or two SBS-TAF	SBS-TAF	-67.5
MEARLCRETE:								
LWC-156.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Mearlcrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-37.5
LWC-157.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Mearlcrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5
LWC-158.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Mearlcrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-37.5
LWC-159.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Mearlcrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-45.0
LWC-160.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Mearlcrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-161.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Mearlcrete, Min. 200 psi, Min. 2.5-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-45.0
LWC-162.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Mearlcrete, Min. 250 psi, Min. 2-inch top coat	SOPRAFIX Base 622	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	None	SBS-CA3, SBS-CA4	-75.0
LWC-163.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Mearlcrete, Min. 250 psi, Min. 2-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0
LWC-164.	Min. 22 ga. Type BV, Grade 33 steel; 6 ft span or structural concrete	Mearlcrete, Min. 250 psi, Min. 2-inch top coat	SOPRAFIX Base 613 or 614	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	(Optional) One or two SBS-TAF	SBS-TAF	-75.0
PRE-EXISTENT CELLULAR LWC:								

TABLE 4F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
LWC-165.	Min. 22 ga. Type B steel or structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat *Note: Tri-Fixx fastener shall achieve an average withdrawal of 215 lbf when tested per* (4.2.2)	SOPRAFIX Base 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-45.0
LWC-166.	Min. 22 ga. Type B steel or structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat *Note: Tri-Fixx fastener shall achieve an average withdrawal of 215 lbf when tested per* (4.2.2)	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-167.	Min. 22 ga. Type B steel or structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat *Note: Tri-Fixx fastener shall achieve an average withdrawal of 215 lbf when tested per* (4.2.2)	SOPRAFIX Base 613 or 614	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-45.0
LWC-168.	Min. 22 ga. Type B, Grade 40 steel or structural concrete	Cellular lightweight concrete, Min. 370 psi, Min. 2-inch top coat *Note: Tri-Fixx fastener shall achieve an average withdrawal of 193 lbf when tested per* (4.2.2)	SOPRALENE 250 Sanded	Tri-Fixx	6-inch o.c. within 5-inch wide laps. Fastener row sealed within side laps using COLPLY EF Adhesive at 50 lineal-ft/gallon.	None	SBS-CA3, SBS-CA4	-67.5
LWC-169.	Min. 22 ga. Type B, Grade 40 steel or structural concrete	Cellular lightweight concrete, Min. 370 psi, Min. 2-inch top coat *Note: Tri-Fixx fastener shall achieve an average withdrawal of 193 lbf when tested per* (4.2.2)	SOPRAFIX Base 622	Tri-Fixx	6-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-67.5
LWC-170.	Min. 22 ga. Type B, Grade 40 steel or structural concrete	Cellular lightweight concrete, Min. 370 psi, Min. 2-inch top coat *Note: Tri-Fixx fastener shall achieve an average withdrawal of 193 lbf when tested per* (4.2.2)	SOPRAFIX Base 613 or 614	Tri-Fixx	6-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-67.5
LWC-171.	Min. 22 ga. Type B, Grade 40 steel or structural concrete	Cellular lightweight concrete, Min. 370 psi, Min. 2-inch top coat *Note: Tri-Fixx fastener shall achieve an average withdrawal of 193 lbf when tested per* (4.2.2)	SOPRAFIX Base 613 or 614	Tri-Fixx	6-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-67.5
LWC-172.	Min. 22 ga., Type BV, Grade 40 steel or structural concrete	Cellular lightweight concrete, Min. 500 psi, Min. 2-inch top coat. *Note: Tri-Fixx fastener shall achieve an average withdrawal of 158 lbf when tested per* (4.2.2)	SOPRALENE 250 Sanded	Tri-Fixx	8-inch o.c. within the 5-inch wide laps and 8-inch o.c. at one (1) center row. Fastener row within laps sealed using COLPLY EF Adhesive at 50 lineal-ft/gallon.	None	SBS-CA3	-82.5
LWC-173.	Min. 22 ga., Type BV, Grade 40 steel or structural concrete	Cellular lightweight concrete, Min. 500 psi, Min. 2-inch top coat. *Note: Tri-Fixx fastener shall achieve an average withdrawal of 158 lbf when tested per* (4.2.2)	SOPRAFIX Base 622	Tri-Fixx	8-inch o.c. in the 5-inch wide, heat-welded side laps and 8-inch o.c. in one center row	None	SBS-CA3, SBS-CA4	-82.5
LWC-174.	Min. 22 ga., Type BV, Grade 40 steel or structural concrete	Cellular lightweight concrete, Min. 500 psi, Min. 2-inch top coat. *Note: Tri-Fixx fastener shall achieve an average withdrawal of 158 lbf when tested per* (4.2.2)	SOPRAFIX Base 613 or 614	Tri-Fixx	8-inch o.c. in the 5-inch wide, heat-welded side laps and 8-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-82.5
LWC-175.	Min. 22 ga., Type BV, Grade 40 steel or structural concrete	Cellular lightweight concrete, Min. 500 psi, Min. 2-inch top coat. *Note: Tri-Fixx fastener shall achieve an average withdrawal of 158 lbf when tested per* (4.2.2)	SOPRAFIX Base 613 or 614	Tri-Fixx	8-inch o.c. in the 5-inch wide, heat-welded side laps and 8-inch o.c. in one center row	(Optional) One or two SBS-TAF	SBS-TAF	-82.5

TABLE 4G: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)			ROOF COVER (3.1.4)				MDP (PSF)
		PRIMER	TYPE	TREATMENT	PRIMER	BASE	PLY	CAP	
CELCORE:									
LWC-176.	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span	None	Celcore Cellular Concrete, Min. 380 psi, Min. 2-inch top coat	None	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4,SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-60.0
LWC-177.	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span or min. 20 ga., Type N or DR steel; 8 ft span	Celcore S-1 Deck Preparation Slurry	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-60.0
LWC-178.	Min. 20 ga., Type N or DR steel; 8 ft span	Celcore S-1 Deck Preparation Slurry	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-75.0
LWC-179.	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span	Celcore S-1 Deck Preparation Slurry	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-90.0
CONCRECEL:									
LWC-180.	Min. 22 ga., Type BV, Grade 80 steel; 5 ft span	Concrecel Bonding Agent at 1200 ft2/gal.	Concrecel Concrete, Min. 300 psi, min. 2.25-inch top coat	Concrecel Curing Compound	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-60.0
ELASTIZELL:									
LWC-181.	Min. 22 ga., Type BV, Grade 33 steel; 6 ft span	None	Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers, Min. 710 psi, min. 2-inch top coat	None	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-60.0

TABLE 4H: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: THERMAL BARRIER TO DECK, VAPOR BARRIER TO THERMAL BARRIER, LWC TO VAPOR BARRIER, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)	ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH			BASE PLY	PLY	CAP PLY	
CELCORE:										
LWC-182.	Min. 22 ga. Type B, Grade 33 steel; 6 ft span	Min. 0.625-inch DensDeck Prime	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft^2	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SBS-CA2, 6-inch o.c.	(Optional) SBS-TAF	SBS-TAF	-82.5

TABLE 4I: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION
SYSTEM TYPE F: LWC TO DECK OR TO TEMPORARY ROOF, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)		ROOF COVER (3.1.4)				MDP (PSF)
			TYPE	SURFACE TREATMENT	PRIMER	BASE	PLY	CAP	
CELCORE:									
LWC-183.	Structural Concrete	Table VB-4	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, or Celcore Cellular Concrete, Min. 380 psi, Min. 2-inch top coat.	Celcore PVA Curing Compound	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-60.0
LWC-184.	Structural Concrete	Table VB-4	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	ASTM D41	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-262.5
LWC-185.	Structural Concrete (primed)	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	ASTM D41	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-360.0
LWC-186.	Structural Concrete	None	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-180.0
LWC-187.	Structural Concrete (primed)	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-180.0
LWC-188.	Structural Concrete	None	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA4	SBS-CA4	-382.5
LWC-189.	Structural Concrete (primed)	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA4	SBS-CA4	-382.5
LWC-190.	Structural Concrete	None	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA3, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-445.0
LWC-191.	Structural Concrete (primed)	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA3, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-445.0
CONCRECEL:									
LWC-192.	Structural Concrete	(Optional) Asphaltic plies with asphalt flood coat	Concrecel Bonding Agent followed by Concrecel Concrete, Min. 300 psi, Min. 2-inch top coat	Concrecel Curing Comp	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-60.0
LWC-193.	Structural concrete	None	Concrecel Concrete, Min. 340 psi, Min. 2-inch top coat	None	None	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-127.5
ELASTIZELL:									

TABLE 4I: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION
SYSTEM TYPE F: LWC TO DECK OR TO TEMPORARY ROOF, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)		ROOF COVER (3.1.4)				MDP (PSF)
			TYPE	SURFACE TREATMENT	PRIMER	BASE	PLY	CAP	
LWC-194.	Structural Concrete	Table VB-4	Elastizell Lightweight Insulating Concrete, Min. 300 psi, Min. 2-inch top coat.	None	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-60.0
PRE-EXISTENT CELLULAR LWC:									
LWC-195.	Structural Concrete	Table VB-4	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	None	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-60.0
LWC-196.	Structural Concrete	None	Cellular lightweight concrete, Min. 350 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	None	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-180.0
LWC-197.	Structural Concrete (primed)	SBS-TAF (sanded top)	Cellular lightweight concrete, Min. 350 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	None	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-180.0
LWC-198.	Structural Concrete	None	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per* (4.2.2)	None	None	SBS-CA3	(Optional) SBS-CA3, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-270.0
LWC-199.	Structural Concrete (primed)	SBS-TAF (sanded top)	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per* (4.2.2)	None	None	SBS-CA3	(Optional) SBS-CA3, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-300.0

TABLE 5A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-5 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:									
CWF-1.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-285.0
CWF-2.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-190.0
CWF-3.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-285.0
CWF-4.	Min. 2-inch Tectum Plank	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-285.0
CWF-5.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-6.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-7.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-8.	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or Multi-Max FA3	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-75.0
CWF-9.	Min. 2-inch Tectum Plank	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-272.5
CWF-10.	Min. 2-inch Tectum Plank	SOPRASMART Board 180 Sanded	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	None	N/A	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-272.5
CWF-11.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-272.5

TABLE 5A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-5 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
CWF-12.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	SOPRASMART Board 180 Sanded	DUOTACK 365 or DUOTACK SPF HFO	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-272.5
HOT- OR TORCH-APPLIED BASE PLY:									
CWF-13.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-TAP	(Optional) BP-AA, SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
CWF-14.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-285.0
CWF-15.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-190.0
CWF-16.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-285.0
CWF-17.	Min. 2-inch Tectum Plank	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-285.0
CWF-18.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-19.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-20.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-21.	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or Multi-Max FA3	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-75.0
CWF-22.	Min. 2-inch Tectum Plank	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-272.5

TABLE 5A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-5 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
CWF-23.	Min. 2-inch Tectum Plank	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	None	N/A	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-272.5
CWF-24.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-272.5
CWF-25.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK 365 or DUOTACK SPF HFO	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-272.5
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:									
CWF-26.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-150.0
CWF-27.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA or SBS-SA1	-270.0
CWF-28.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-285.0
CWF-29.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-190.0
CWF-30.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-285.0
CWF-31.	Min. 2-inch Tectum Plank	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 4-inch o.c.	None	N/A	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-285.0
CWF-32.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-163.0
CWF-33.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-185.0

TABLE 5A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-5 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
CWF-34.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 4-inch o.c.	None	N/A	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-185.0
CWF-35.	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or Multi-Max FA3	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-75.0
CWF-36.	Min. 2-inch Tectum Plank	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	None	N/A	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-270.0
CWF-37.	Min. 2-inch Tectum Plank	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	None	N/A	(Optional) SBS-SA1	None	SBS-SA1	-270.0
CWF-38.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK 365 or DUOTACK SPF HFO	SBS-SA1	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	-270.0
CWF-39.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK 365 or DUOTACK SPF HFO	(Optional) SBS-SA1	None	SBS-SA1	-270.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:									
CWF-40.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-270.0
CWF-41.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-190.0
CWF-42.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-285.0
CWF-43.	Min. 2-inch Tectum Plank	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-285.0

TABLE 5A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-5 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
CWF-44.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-163.0
CWF-45.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-185.0
CWF-46.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-185.0
CWF-47.	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or Multi-Max FA3	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-75.0

TABLE 5B: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-3: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		PRIMER	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:													
CWF-48.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-49.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-50.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-51.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-185.0
HOT- OR TORCH-APPLIED BASE PLY:													

TABLE 5B: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-3: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		PRIMER	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
CWF-52.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-53.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-54.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-55.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:													
CWF-56.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-163.0
CWF-57.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-163.0
CWF-58.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-185.0
CWF-59.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-185.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:													

TABLE 5B: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-3: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Thermal Barrier		Primer	Vapor Barrier (3.1.4)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Attach (3.1.3)			Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
CWF-60.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-163.0
CWF-61.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-163.0
CWF-62.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-185.0
CWF-63.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-185.0

TABLE 5C: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)			MDP (psf)
		Type	Fasten (4.2.2)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
COLD APPLIED BASE PLY:												
CWF-64.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	(Optional) Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
CWF-65.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK	(Optional) Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
HOT OR TORCH APPLIED BASE PLY:												
CWF-66.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*

TABLE 5C: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	ANCHOR SHEET			BASE INSULATION		TOP INSULATION		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
CWF-67.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	Min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
CWF-68.	Min. 2-inch Tectum Plank	SOPRABASE S, SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Optional ELASTOCOL 500, ELASTOCOL Stick.	hot asphalt	BP-AA, SBS-AA, SBS-TAP or SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-60.0
CWF-69.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
CWF-70.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK	Min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
CWF-71.	Min. 2-inch Tectum Plank	SOPRABASE S, SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Optional ELASTOCOL 500, ELASTOCOL Stick.	DUOTACK	BP-AA, SBS-AA, SBS-TAP or SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-45.0
CWF-72.	Min. 2-inch Tectum Plank	SOPRABASE S, SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK, 6-inch o.c.	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-45.0
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:												
CWF-73.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	hot asphalt	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-30.0*
CWF-74.	Min. 2-inch Tectum Plank	SOPRABASE S, SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero	hot asphalt	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-60.0

TABLE 5C: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)			MDP (psf)
		Type	Fasten (4.2.2)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
CWF-75.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-30.0*
CWF-76.	Min. 2-inch Tectum Plank	SOPRABASE S, SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-45.0
CWF-77.	Min. 2-inch Tectum Plank	SOPRABASE S, SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK, 6-inch o.c.	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-45.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:												
CWF-78.	Min. 2-inch Tectum Plank	SOPRABASE S, SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0

TABLE 5D: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.2)	Attach (3.1.2.E)	Base	Ply	Cap	
COLD APPLIED BASE PLY:									
CWF-79.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.6 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
CWF-80.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.0 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
HOT OR TORCH APPLIED BASE PLY:									
CWF-81.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	OMG Polymer GypTec fastener & plate	1 per 2.0 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
CWF-82.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.6 ft²	BP-AA, SBS-AA, SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
CWF-83.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	OMG Polymer GypTec fastener & plate	1 per 1.3 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*

TABLE 5D: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.2)	Attach (3.1.2.E)	Base	Ply	Cap	
CWF-84.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.0 ft²	BP-AA, SBS-AA, SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:									
CWF-85.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.6 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-30.0*
CWF-86.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-45.0*

TABLE 5E: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (4.1.2)	Insulation (3.1.2)	Base Sheet			Roof Cover (3.1.4)		MDP (psf)
			Base	Fastener (4.2.2)	Spacing	Ply	Cap	
CWF-87.	Min. 2-inch Tectum Plank	One or more layers, any combination	SOPRABASE S, SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-TAF or SBS-SA1	SBS-AA, SBS-TAF or SBS-SA1	-60.0
CWF-88.	Min. 2-inch Tectum Plank	One or more layers, any combination	SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-60.0

TABLE 5F: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Sheet			Roof Cover (3.1.4)		MDP (psf)
		Base	Fastener (4.2.2)	Spacing	Base Ply	Cap	
CWF-89.	Min. 2-inch Tectum Plank	SOPRABASE S, SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-TAF or SBS-SA1	SBS-AA, SBS-TAF or SBS-SA1	-60.0
CWF-90.	Min. 2-inch Tectum Plank	SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-60.0

TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-6 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:									
G-1.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-AA, SBS-TAF or SBS-SA1	-67.5
G-2.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-115.0
G-3.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
G-4.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-162.5
G-5.	Existing gypsum deck	(Optional) Min. 1.4-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-60.0
G-6.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3	None	SBS-CA3	-162.5
G-7.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-105.0
G-8.	Existing gypsum deck	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-152.5
G-9.	Existing gypsum deck	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-162.5
G-10.	Existing gypsum deck	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-180.0
G-11.	Existing gypsum deck	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-240.0

TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-6 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
G-12.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-245.0
G-13.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-257.5
HOT OR TORCH APPLIED BASE PLY:									
G-14.	Existing gypsum deck	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-152.5
G-15.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-155.0
G-16.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
G-17.	Existing gypsum deck	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-152.5
G-18.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-162.5
G-19.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-162.5
G-20.	Existing gypsum deck	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-152.5
G-21.	Existing gypsum deck	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-162.5
G-22.	Existing gypsum deck	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-180.0

TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-6 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
G-23.	Existing gypsum deck	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-240.0
G-24.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-245.0
G-25.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-257.5
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:									
G-26.	Existing gypsum deck	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam or Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3.	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-150.0
G-27.	Existing gypsum deck	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-152.5
G-28.	Existing gypsum deck	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-162.5
G-29.	Existing gypsum deck	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1	-152.5
G-30.	Existing gypsum deck	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1	-162.5
G-31.	Existing gypsum deck	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-152.5
G-32.	Existing gypsum deck	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-162.5
G-33.	Existing gypsum deck	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch DensDeck Prime primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-152.5

TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-6 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
G-34.	Existing gypsum deck	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch DensDeck Prime primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-162.5
G-35.	Existing gypsum deck	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam or Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-120.0
G-36.	Existing gypsum deck	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-152.5
G-37.	Existing gypsum deck	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	-162.5
G-38.	Existing gypsum deck	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-180.0
G-39.	Existing gypsum deck	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-180.0
G-40.	Existing gypsum deck	(Optional) Min. 1-inch ACFoam II, Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG or Ultra-Max or Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-190.0
G-41.	Existing gypsum deck	(Optional) Min. 1-inch ACFoam II, Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG or Ultra-Max or Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-215.0
G-42.	Existing gypsum deck	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-240.0
G-43.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	None	N/A	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-245.0

TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-6 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
G-44.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-257.5

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: VAPOR BARRIER TO DECK, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2, 4.2.2)	VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:											
G-45.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-46.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-47.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
G-48.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-60.0
G-49.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: VAPOR BARRIER TO DECK, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2, 4.2.2)	VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
G-50.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-51.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-52.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
HOT OR TORCH APPLIED BASE PLY:											
G-53.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-54.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAP, SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
G-55.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-60.0
G-56.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: VAPOR BARRIER TO DECK, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2, 4.2.2)	VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
G-57.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-58.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-59.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:											
G-60.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-61.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-60.0
G-62.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-63.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: VAPOR BARRIER TO DECK, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2, 4.2.2)	VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
G-64.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-65.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:											
G-66.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-60.0
G-67.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-60.0
G-68.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-60.0

TABLE 6C: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
Cold Applied Base Ply:												
G-69.	Existing gypsum deck	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	(Optional) Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
G-70.	Existing gypsum deck	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	(Optional) Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA3	None	SBS-CA3	-30.0*
G-71.	Existing gypsum deck	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK	(Optional) Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
G-72.	Existing gypsum deck	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK	(Optional) Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3	None	SBS-CA3	-30.0*
Hot or Torch Applied Base Ply:												
G-73.	Existing gypsum deck	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
G-74.	Existing gypsum deck	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	Min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
G-75.	Existing gypsum deck	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
G-76.	Existing gypsum deck	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK	Min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
ELASTOPHENE Stick, SOPRALENE Stick or SOPRALENE Flam Stick Base Ply:												
G-77.	Existing gypsum deck	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	hot asphalt	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-30.0*

TABLE 6C: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
G-78.	Existing gypsum deck	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II or H-Shield	DUOTACK	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-30.0*

TABLE 6D: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.2)	Attach (3.1.2.E)	Base	Ply	Cap	
COLD APPLIED BASE PLY:									
G-79.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
G-80.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft²	SBS-CA3	None	SBS-CA3	-30.0*
G-81.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
G-82.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	SBS-CA3	None	SBS-CA3	-45.0*
HOT OR TORCH APPLIED BASE PLY:									
G-83.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	OMG Polymer GypTec fastener & plate (Field W/D ≥ 120 lbf)	1 per 2.0 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
G-84.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft²	BP-AA, SBS-AA, SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
G-85.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	OMG Polymer GypTec fastener & plate (Field W/D ≥ 117 lbf)	1 per 1.3 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
G-86.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	BP-AA, SBS-AA, SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:									
G-87.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-30.0*
G-88.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-45.0*

TABLE 6E: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	INSULATION (3.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY	CAP	
G-89.	Existing gypsum deck	One or more layers, any combination	SOPRABASE S, SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Twin Loc-Nails (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-TAF or SBS-SA1	SBS-AA, SBS-TAF or SBS-SA1	-60.0
G-90.	Existing gypsum deck	One or more layers, any combination	SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Twin Loc-Nails (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-CA4	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-60.0

TABLE 6F: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	INSULATION (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
G-91.	Existing gypsum deck	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	None	SBS-CA3, SBS-CA4	-60.0
G-92.	Existing gypsum deck	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-60.0
G-93.	Existing gypsum deck	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612 or 614	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	(Optional) One or two SBS-TAF	SBS-TAF	-60.0

TABLE 6G: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		BASE	FASTENER (4.2.2)	SPACING	BASE PLY	CAP	
G-94.	Existing gypsum deck	SOPRABASE S, SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Twin Loc-Nail (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-TAF or SBS-SA1	SBS-AA, SBS-TAF or SBS-SA1	-60.0
G-95.	Existing gypsum deck	SOPRALENE 180 Sanded 2.2 or SELECT SBS POLY SANDED	Twin Loc-Nail (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-CA4	SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	-60.0

TABLE 6H: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
		BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
G-96.	Existing gypsum deck	SOPRAFIX Base 622	Tri-Fixx (Field W/D ≥ 179 lbf)	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-37.5
G-97.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Tri-Fixx (Field W/D ≥ 179 lbf)	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5
G-98.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Tri-Fixx (Field W/D ≥ 179 lbf)	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-37.5
G-99.	Existing gypsum deck	SOPRAFIX Base 622	Tri-Fixx (Field W/D ≥ 193 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-45.0
G-100.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Tri-Fixx (Field W/D ≥ 193 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
G-101.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Tri-Fixx (Field W/D ≥ 193 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-45.0
G-102.	Existing gypsum deck	SOPRAFIX Base 622	Tri-Fixx (Field W/D ≥ 175 lbf)	7-inch o.c. within the 5-inch wide heat-welded side lap	None	SBS-CA3, SBS-CA4	-52.5
G-103.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Tri-Fixx (Field W/D ≥ 175 lbf)	7-inch o.c. within the 5-inch wide heat-welded side lap	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-52.5
G-104.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Tri-Fixx (Field W/D ≥ 175 lbf)	7-inch o.c. within the 5-inch wide heat-welded side lap	(Optional) One or two SBS-TAF	SBS-TAF	-52.5
G-105.	Existing gypsum deck	SOPRAFIX Base 622	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	None	SBS-CA3, SBS-CA4	-60.0
G-106.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-60.0
G-107.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	(Optional) One or two SBS-TAF	SBS-TAF	-60.0
G-108.	Existing gypsum deck	SOPRAFIX Base 622	Tri-Fixx (Field W/D ≥ 129 lbf)	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	None	SBS-CA3, SBS-CA4	-67.5
G-109.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Tri-Fixx (Field W/D ≥ 129 lbf)	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-67.5
G-110.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Tri-Fixx (Field W/D ≥ 129 lbf)	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	(Optional) One or two SBS-TAF	SBS-TAF	-67.5
G-111.	Existing gypsum deck	SOPRAFIX Base 622	Tri-Fixx (Field W/D ≥ 143 lbf)	8-inch o.c. in the 5-inch laps and 8-inch o.c. in one center row	None	SBS-CA3, SBS-CA4	-75.0

TABLE 6H: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
		BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
G-112.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Tri-Fixx (Field W/D ≥ 143 lbf)	8-inch o.c. in the 5-inch laps and 8-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0
G-113.	Existing gypsum deck	SOPRAFIX Base 613 or 614	Tri-Fixx (Field W/D ≥ 143 lbf)	8-inch o.c. in the 5-inch laps and 8-inch o.c. in one center row	(Optional) One or two SBS-TAF	SBS-TAF	-75.0

TABLE 6I: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2, 4.2.2)	ROOF COVER (3.1.4)			MDP (PSF)
		BASE	PLY	CAP	
G-114.	Existing gypsum deck	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type or performance of the substrate. The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
Cold Applied Base Ply:									
R-1.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	(Optional) Additional layers of base insulation	hot asphalt	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-AA, SBS-TAF or SBS-SA1	-67.5
R-2.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.4-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-60.0
R-3.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-4.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-5.	Existing sand-surface SBS modified bitumen	Min. 2-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3	None	SBS-CA3	-260.0
R-6.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-AA, SBS-TAF or SBS-SA1	-67.5
R-7.	Existing granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-8.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-260.0
R-9.	Existing granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-10.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-260.0
R-11.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.4-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-60.0

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type or performance of the substrate. The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-12.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3	None	SBS-CA3	-150.0
R-13.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-14.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-150.0
R-15.	Sand- or granule-surface modified bitumenSand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-16.	Existing sand-surface SBS modified bitumen	Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-260.0
R-17.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-180.0
R-18.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-222.5
R-19.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-222.5
R-20.	Existing granule-surfaced modified bitumen or smooth-surface asphaltic built-up roof	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-245.0
R-21.	Existing smooth-surface asphaltic built-up roof	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-262.5
R-22.	Existing granule-surfaced modified bitumen	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-270.0
HOT OR TORCH APPLIED BASE PLY:									

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type or performance of the substrate. The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-23.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
R-24.	Existing sand-surface SBS modified bitumen	Min. 2-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-260.0
R-25.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	hot asphalt	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-150.0
R-26.	Existing sand-surface SBS modified bitumen	Min. 2-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	hot asphalt	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-260.0
R-27.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-150.0
R-28.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch DensDeck Prime	hot asphalt	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
R-29.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TAP	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
R-30.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
R-31.	Existing sand-surface SBS modified bitumen	Min. 2-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-260.0
R-32.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type or performance of the substrate. The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-33.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
R-34.	Existing granule-surface modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
R-35.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-260.0
R-36.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-150.0
R-37.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-150.0
R-38.	Existing sand-surface SBS modified bitumen	Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-260.0
R-39.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-150.0
R-40.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
R-41.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TAP or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type or performance of the substrate. The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-42.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TAP	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
R-43.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
R-44.	Existing sand-surface SBS modified bitumen	Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-260.0
R-45.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-180.0
R-46.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-222.5
R-47.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-222.5
R-48.	Existing granule-surfaced modified bitumen or smooth-surface asphaltic built-up roof	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-245.0
R-49.	Existing smooth-surface asphaltic built-up roof	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-262.5
R-50.	Existing granule-surfaced modified bitumen	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-270.0
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:									
R-51.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.4-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	(Optional) Additional layers of base insulation	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
R-52.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type or performance of the substrate. The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-53.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	hot asphalt	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-150.0
R-54.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 2-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
R-55.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.4-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
R-56.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
R-57.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
R-58.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1	-150.0
R-59.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-150.0
R-60.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
R-61.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-150.0
R-62.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-180.0

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type or performance of the substrate. The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-63.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-222.5
R-64.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-222.5
R-65.	Existing granule-surfaced modified bitumen or smooth-surface asphaltic built-up roof	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	None	N/A	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-245.0
R-66.	Existing smooth-surface asphaltic built-up roof	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-262.5
R-67.	Existing granule-surfaced modified bitumen	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-270.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:									
R-68.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam or Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3	DUOTACK	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-150.0

TABLE 7B: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Vapor Barrier	Base Insulation Layer				Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
			Type	Fastener (4.2.2) Type	Fastener (4.2.2) Min. Withdrawal	Attach (3.1.2.E)	Type	Attach (3.1.3)	Base	Ply	Cap	
COLD APPLIED BASE PLY:												
R-69.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-52.5
R-70.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
R-71.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, ACFoam III or H-Shield CG	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-52.5
HOT OR TORCH APPLIED BASE PLY:												
R-72.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
R-73.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-52.5

TABLE 7B: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Vapor Barrier	Base Insulation Layer				Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
			Type	Fastener (4.2.2) Type	Fastener (4.2.2) Min. Withdrawal	Attach (3.1.2.E)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-74.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, ACFoam III or H-Shield CG	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:												
R-75.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²)	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero. or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-52.5
R-76.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TAF	-52.5
R-77.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, ACFoam III or H-Shield CG	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-52.5
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:												

TABLE 7B: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Vapor Barrier	Base Insulation Layer				Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
			Type	Fastener (4.2.2) Type	Fastener (4.2.2) Min. Withdrawal	Attach (3.1.2.E)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-78.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD, Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-52.5
R-79.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, ACFoam III or H-Shield CG	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-52.5

TABLE 7C: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Vapor Barrier	Base Insulation Layer (3.1.2)	Top Insulation Layer				Primer	Roof Cover (3.1.4)			MDP (psf)[A]
				Type	Fastener (4.2.2)	Min. Withdrawal	Attach (3.1.2.E)		Base Ply	Ply	Cap Ply	
Cold Applied Base Ply:												
R-80.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	None	SBS-CA3	(Optional) SBS-CA3 or SBS-CA4	SBS-CA3 or SBS-CA4	-52.5
R-81.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Baord	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	None	SBS-CA3 or SBS-CA4	(Optional) SBS-CA3 or SBS-CA4	SBS-CA3 or SBS-CA4	-52.5
Hot or Torch Applied Base Ply:												

TABLE 7C: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Vapor Barrier	Base Insulation Layer (3.1.2)	Top Insulation Layer				Primer	Roof Cover (3.1.4)			MDP (psf)[A]
				Type	Fastener (4.2.2)	Min. Withdrawal	Attach (3.1.2.E)		Base Ply	Ply	Cap Ply	
R-82.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Baord	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	None	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-52.5
ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:												
R-83.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Baord	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	ELASTOCOL STICK Zero	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-52.5
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:												
R-84.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Baord	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 160 lbf	1 per 1.8 ft²	ELASTOCOL STICK Zero	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0

TABLE 7D: REROOF (TEAR-OFF) APPLICATIONS
SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new base sheet and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Sheet				Roof Cover (3.1.4)		MDP (psf)[A]
		Base	Fastener (4.2.2)		Spacing	Base Ply(s)	Cap	
			Type	Min. Withdrawal				
PRE-EXISTENT AGGREGATE LIGHTWEIGHT CONCRETE (3.1.2):								
R-85.	Pre-existent min. 360 psi aggregate lightweight insulating concrete	MODIFIED SOPRA G or SOPRABASE S	Trufast FM-75	≥ 67 lbf	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-AA2 or SBS-TAF	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TAF	-45.0
R-86.	Pre-existent min. 360 psi aggregate lightweight insulating concrete	SOPRA 4897	Trufast FM-75	≥ 67 lbf	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4, SBS-AA, SBS-AA2 or SBS-TAF	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TAF	-45.0
R-87.	Pre-existent min. 360 psi aggregate lightweight insulating concrete	SOPRABASE TG	Trufast FM-75	≥ 67 lbf	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TAF	-45.0

TABLE 7D: REROOF (TEAR-OFF) APPLICATIONS
SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new base sheet and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Sheet				Roof Cover (3.1.4)		MDP (psf)[A]
		Base	Fastener (4.2.2) Type	Fastener (4.2.2) Min. Withdrawal	Spacing	Base Ply(s)	Cap	
R-88.	Pre-existent min. 360 psi aggregate lightweight insulating concrete	SOPRABASE S or SOPRA 4897. Top surface shall be primed with ELASTOCOL Stick Zero	Trufast FM-75	≥ 67 lbf	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	SBS-SA1	SBS-SA1 or SBS-TAF	-45.0
R-89.	Pre-existent min. 360 psi aggregate lightweight insulating concrete	ULTRA-STICK Nail Base	Trufast FM-75	≥ 67 lbf	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	SBS-SA2	SBS-SA2	-45.0
R-90.	Pre-existent min. 300 psi cellular lightweight insulating concrete	MODIFIED SOPRA G, SOPRA 4897	Trufast Twin Loc-Nail	≥ 88 lbf	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-60.0
R-91.	Pre-existent min. 300 psi cellular lightweight insulating concrete	SOPRABASE S, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded or SELECT SBS POLY SANDED	Trufast Twin Loc-Nail	≥ 110 lbf	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-75.0
R-92.	Pre-existent min. 300 psi cellular lightweight insulating concrete	SOPRABASE TG	Trufast Twin Loc-Nail	≥ 110 lbf	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-75.0
PRE-EXISTENT CELLULAR LIGHTWEIGHT CONCRETE (3.1.2):								
R-93.	Pre-existent min. 360 psi cellular lightweight insulating concrete	MODIFIED SOPRA G or SOPRABASE S	Trufast FM-90	≥ 67 lbf	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-AA2 or SBS-TAF	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TAF	-45.0
R-94.	Pre-existent min. 360 psi cellular lightweight insulating concrete	SOPRA 4897	Trufast FM-90	≥ 67 lbf	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4, SBS-AA, SBS-AA2 or SBS-TAF	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TAF	-45.0
R-95.	Pre-existent min. 360 psi cellular lightweight insulating concrete	SOPRABASE TG	Trufast FM-90	≥ 67 lbf	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TAF	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TAF	-45.0

TABLE 7E: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE E-2: MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new base membrane and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Membrane				Roof Cover (3.1.4)		MDP (psf)[A]
		Base (3.1.4.B)	Fastener (4.2.2) Type	Fastener (4.2.2) Min. Withdrawal	Spacing	Ply	Cap	
R-96.	Pre-existent min. 200 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 622	Tri-Fixx	≥ 179 lbf	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-37.5

TABLE 7E: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE E-2: MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new base membrane and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Membrane				Roof Cover (3.1.4)		MDP (psf)[A]
		Base (3.1.4.B)	Fastener (4.2.2) Type	Fastener (4.2.2) Min. Withdrawal	Spacing	Ply	Cap	
R-97.	Pre-existent min. 200 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 179 lbf	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5
R-98.	Pre-existent min. 200 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 179 lbf	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-37.5
R-99.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 622	Tri-Fixx	≥ 215 lbf	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-45.0
R-100.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 215 lbf	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
R-101.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 215 lbf	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-45.0
R-102.	Pre-existent min. 200 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 622	Tri-Fixx	≥ 193 lbf	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA3, SBS-CA4	-45.0
R-103.	Pre-existent min. 200 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 193 lbf	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
R-104.	Pre-existent min. 200 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 193 lbf	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TAF	SBS-TAF	-45.0
R-105.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 622	Trufast Versa-Fast Fasteners & Plate	≥ 193 lbf	Trufast Versa-Fast Plate spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate, parallel to the width-direction of the sheet.	None	SBS-CA3, SBS-CA4	-45.0
R-106.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	≥ 193 lbf	Trufast Versa-Fast Plate spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate, parallel to the width-direction of the sheet.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
R-107.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	≥ 193 lbf	Trufast Versa-Fast Plate spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate, parallel to the width-direction of the sheet.	(Optional) One or two SBS-TAF	SBS-TAF	-45.0

TABLE 7E: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE E-2: MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new base membrane and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Membrane				Roof Cover (3.1.4)		MDP (psf)[A]
		Base (3.1.4.B)	Fastener (4.2.2) Type	Fastener (4.2.2) Min. Withdrawal	Spacing	Ply	Cap	
R-108.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 622	Trufast Versa-Fast Fasteners & Plate	≥ 226 lbf	Trufast Versa-Fast Plate spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum three (3) Versa-Fast Fasteners installed parallel to the width direction of the sheet into the holes of the Versa-Fast Plate	None	SBS-CA3, SBS-CA4	-52.5
R-109.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	≥ 226 lbf	Trufast Versa-Fast Plate spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum three (3) Versa-Fast Fasteners installed parallel to the width direction of the sheet into the holes of the Versa-Fast Plate	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-52.5
R-110.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plate	≥ 226 lbf	Trufast Versa-Fast Plate spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum three (3) Versa-Fast Fasteners installed parallel to the width direction of the sheet into the holes of the Versa-Fast Plate	(Optional) One or two SBS-TAF	SBS-TAF	-52.5
R-111.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 622	Tri-Fixx	≥ 175 lbf	7-inch o.c. within the 5-inch wide heat-welded side lap	None	SBS-CA3, SBS-CA4	-52.5
R-112.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 175 lbf	7-inch o.c. within the 5-inch wide heat-welded side lap	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-52.5
R-113.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 175 lbf	7-inch o.c. within the 5-inch wide heat-welded side lap	(Optional) One or two SBS-TAF	SBS-TAF	-52.5
R-114.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 622	Tri-Fixx	≥ 129 lbf	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	None	SBS-CA3, SBS-CA4	-67.5
R-115.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 129 lbf	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-67.5
R-116.	Pre-existent min. 300 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 129 lbf	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	(Optional) One or two SBS-TAF	SBS-TAF	-67.5
R-117.	Pre-existent min. 500 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 158 lbf	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	None	SBS-CA3, SBS-CA4	-82.5
R-118.	Pre-existent min. 500 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 158 lbf	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-82.5
R-119.	Pre-existent min. 500 psi cellular lightweight insulating concrete or existing gypsum roof deck	SOPRAFIX Base 613 or 614	Tri-Fixx	≥ 158 lbf	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	(Optional) One or two SBS-TAF	SBS-TAF	-82.5

TABLE 7F: RECOVER APPLICATIONS
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Primer	Roof Cover (3.1.4)			MDP (psf)[A]
			Base Ply	Ply	Cap Ply	
R-120.	Existing, fully-adhered, granule-surface, SBS modified bitumen roof system	ELASTOCOL 500	(Optional) SBS-CA4	None	SBS-CA4	-112.5
R-121.	Existing, fully-adhered, granule-surface, SBS modified bitumen roof system	None	(Optional) SBS-CA4	None	SBS-CA4	-202.5
R-122.	Existing, fully-adhered, smooth- or granule-surface, SBS modified bitumen roof system	None	SBS-CA2, 6-inch o.c. or SBS-CA3	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2 or SBS-TAF	-247.5
R-123.	Existing, fully-adhered, smooth- or granule-surface, SBS modified bitumen roof system	None	None	None	SBS-CA2, 6-inch o.c. or SBS-CA3	-247.5
R-124.	Existing, fully-adhered, smooth-surface, SBS modified bitumen roof system	(Optional) ELASTOCOL 500	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-367.5
R-125.	Existing, fully adhered, granule-surface, SBS modified bitumen	ELASTOCOL 500	None	None	Colvent Flam 180 FR GR, torch applied	-572.5