



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
Revision 0: 2025-10-23
Page 1 of 66

SOPREMA, Inc.
FL47886

Nemo|cert.
353 Christian Street, Unit 12b
Oxford, CT 06478
(475) 888-CERT (2378)
www.nemocert.com

INSPECT

CERTIFY

EVALUATE

VALIDATE

QUALIFY

NEMO EVALUATION REPORT



SOPREMA

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

SUBJECT: COLPHENE® SBS Modified Bitumen Protected Membrane Waterproofing/Roofing 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: 2024, 2021, 2018 International Building Code TDI [Third-Party Evaluation Report](#) acceptance
2023 Florida Building Code, 8th Edition
2022 California Building Code
2023 City of Los Angeles Building Code [Section 98.0501](#), Product Approval, Alternate Materials, Systems, Devices and Methods of Construction

FBC JURISDICTION: Non-HVHZ and HVHZ
CATEGORY: **FBC:** Roofing **NEMO:** Waterproofing
SUB-CATEGORY: **FBC:** Waterproofing
CSI DIVISION: 07 00 00 Thermal and Moisture Protection
07 56 00 Fluid-Applied Roofing

FBC METHOD: Method 1, Option C – Codified Material, evaluation by Evaluation Entity

COMPLIANCE STATEMENT: COLPHENE® SBS Modified Bitumen Protected Membrane Waterproofing/Roofing 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

NEMO CERT, LLC
www.nemocert.com

©NEMO. All rights reserved.

[LINK TO TOP OF ATTACHMENT REQUIREMENTS](#)



ISO/IEC 17065



ACCREDITED
Product Certification
Agency
PCA-145



ISO/IEC 17020



ACCREDITED
Inspection Agency
AA-779



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
 Revision 0: 2025-10-23

SOPREMA, Inc.
 FL47886



NEMO | cert.® Page 2 of 66

1. CODES, PROPERTIES AND STANDARDS:

CODE	SECTION	PROPERTY	STANDARD
2018 International Building Code	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.4	Design Standard (ballasted)	ANSI/SPRI RP-4
	1504.7	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2, 1507.11.2.1	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, D6164
2021 International Building Code	1504.4.1	Wind resistance	FM 4474 or UL1897
	1504.5	Design Standard (ballasted)	ANSI/SPRI RP-4
	1504.8	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, D6164
2024 International Building Code	104.2.3.6.1	Evaluation Reports	ISO/IEC 17065
	1503.4.1, 1504.4.1	Wind resistance	FM 4474 or UL1897
	1504.5	Design Standard (ballasted)	ANSI/SPRI RP-4
	1504.7	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2, 1507.11.2.1	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, D6164
2023 Florida Building Code, 8 th Edition	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.4	Design Standard	ANSI/SPRI RP-4
	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 D4601
	1507.11.2, TAS 110	Material standard	ASTM D6163, D6164
	1523.6.2, TAS 110	Wind resistance	TAS 114, Appendix C, D or J
	TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9
	TAS 110	Susceptibility to Hail Damage	TAS 114, Appendix F
TAS 110	Susceptibility to Leakage	TAS 114, Appendix G	
2022 California Building Code and 2023 City of Los Angeles Building Code	Div. 5, Section 98.0501	Evaluation Reports	
	1504.4.1	Wind resistance	FM 4474 or UL1897
	1504.5	Design Standard (ballasted)	ANSI/SPRI RP-4
	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 D4601
	1507.11.2	Material standard	ASTM D6163, D6164



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
 Revision 0: 2025-10-23

SOPREMA, Inc.
 FL47886



2. PRODUCTS:

TABLE 1A: EVALUATED SOPREMA COMPONENTS (NEMO Certified. Consult Directory of Certified Products for production location(s))				
TYPE	PRODUCT	MATERIAL STANDARD		
		REFERENCE	TYPE	GRADE
MODIFIED BITUMEN, SMOOTH:	COLPHENE Sanded or ELASTOPHENE Sanded 2.2	ASTM D6163	1	S
	COLPHENE SP 3.0 or ELASTOPHENE SP 3.0	ASTM D6163	1	S
	COLVENT Flam 180 TG	ASTM D6164	1	S
	SOPRALENE 180 PS 2.2	ASTM D6164	1	S
	SOPRALENE 180 Sanded	ASTM D6164	1	S
	COLPHENE 180 Sanded or SOPRALENE 180 Sanded 2.2	ASTM D6164	1	S
	SOPRALENE 180 SP 3.5	ASTM D6164	1	S
	COLPHENE Flam 180 or SOPRALENE Flam 180	ASTM D6164	1	S
	COLPHENE Stick or SOPRALENE Stick	ASTM D6164	1	S
	SOPRALENE 250 SP	ASTM D6164	2	S
	SOPRALENE Flam 250	ASTM D6164	2	S
	SOPRAFIX Base 614	ASTM D6164	2	S
MODIFIED BITUMEN, GRANULE:	COLPHENE 180 FR GR or SOPRALENE 180 FR GR	ASTM D6164	1	G
	COLPHENE Flam 180 FR GR or SOPRALENE Flam 180 FR GR	ASTM D6164	1	G
	SOPRALENE Flam 180 GR	ASTM D6164	1	G
BASE SHEETS:	MODIFIED SOPRA G	ASTM D4601	2	N/A
	SOPRABASE TG	ASTM D4601	2	N/A
	SOPRA 4897	ASTM D4601	N/A	N/A
BARRIER:	SOPRAVAP'R	VPA 24-003	N/A	N/A

TABLE 1B: EVALUATED SOPREMA ACCESSORIES (Contact contact@nemocert.com for production location(s) of non-Certified products)		
TYPE	PRODUCT	MATERIAL STANDARD
MODIFIED BITUMEN, SMOOTH:	COLPHENE 180 PS	ASTM D6164
	COLPHENE 180 SP 3.5	ASTM D6164
MODIFIED BITUMEN, GRANULE:	COLPHENE Flam 180 GR	ASTM D6164
	COLPHENE 250 FR GR or SOPRALENE 250 FR GR	ASTM D6164
	COLPHENE Flam 250 FR GR or SOPRALENE Flam 250 FR GR	ASTM D6164
BASE SHEETS:	SOPRABASE S	ASTM D4601
ADHESIVES:	COLPLY Adhesive	ASTM D3019
	COLPLY EF Adhesive	N/A
	DUOTACK 365	N/A
PRIMER:	ELASTACOL 500	ASTM D41
	ELASTACOL Stick	N/A
	ELASTACOL Stick LVOC	N/A
	ELASTACOL Stick Zero	N/A
INSULATION:	SOPRA-XPS	ASTM C578
COVERBOARD:	SOPRABOARD	ASTM D6506
DRAINAGE MEDIA:	SOPRADRAIN ECOVENT 2	N/A



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
 Revision 0: 2025-10-23

SOPREMA, Inc.
 FL47886



TABLE 2: COMPONENTS BY OTHERS (4.1.4)				
(Refer to NOA if listed version was superseded to ensure use of latest version)				
TYPE	SOPREMA	ACCEPTABLE ALTERNATE	FBC	NOA
INSULATIONS:	SOPRA-ISOs	ACFoam-II	FL17989	24-1120.02
	SOPRA-ISO+s	ACFoam-III		
	SOPRA-ISOr	H-Shield	FL5968	24-1021.04
	SOPRA-ISO+r	H-Shield CG		
	N/A	Styrofoam High Load 60	FL38732	23-1121.01
	N/A	Styrofoam Plazamate		
	N/A	DensDeck Prime	FL1250	22-1223.04
	N/A	DEXcell Cement Roof Board	FL17840	25-0722.11
	N/A	DEXcell FA Glass Mat Roof Board		
	N/A	Multi-Max FA3	N/A	22-0815.03
	N/A	Ultra-Max		
N/A	SECUROCK Cement Board	FL4264	21-0923.05	
MECHANICAL FASTENERS:	SOPREMA #15 HD	Trufast #15 EHD Fastener	FL4500	25-0129.08
	SOPREMA 1.7 in. Base Sheet Fastener	Trufast FM-90 Base Sheet Fastener		
	SOPREMA Twin Loc-Nail	Trufast Twin Loc-Nail Assembled Fastener		
	SOPREMA 2.4" Seam Plate	Trufast 2.4" Scoop Seam Plate		
	N/A	OMG C-R Assembled Base Sheet Fastener	FL699	24-0627.03
PRIMERS:	N/A	TruGround Conductive Primer	N/A	N/A
OVERBURDEN:	N/A	Wausau Pedestal / Paver Systems	FL47030 FL47053 FL47054	23-0201.04
	N/A	Greenrise Pedestal / Paver Systems	FL41859 FL46910	N/A



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
Revision 0: 2025-10-23

SOPREMA, Inc.
FL47886



3. INSTALLATION:

3.1 **COLPHENE® SBS Modified Bitumen Protected Membrane Waterproofing/Roofing 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.

TABLE 3: FASTENER REFERENCES			
Roof Deck	PARTS		FASTENER ENGAGEMENT
	FASTENERS	PLATES	
WOOD, ENGINEERED SHEATHING OR PLANK	SOPREMA #14 Fastener, SOPREMA #14 MP Fastener, Dekfast DF-#14-PH3 or Trufast #14 HD	SOPREMA 3 in. Insulation Plate, SOPREMA 3” Metal Insulation Plate, Dekfast PLT-R-3 or Trufast 3” Metal Insulation Plate	Min. 0.75-inch penetration (engineered sheathing) or min. 1-inch embedment (plank)
	ACE #14 Fastener or ACE #15 Fastener	ACE 3” BE Insulation Plate or ACE 3” WW Insulation Plate	
	<i>Note: Ace parts are limited to use with polyisocyanurate insulation, SOPRABOARD, SOPRABOARD HS, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, or DEXcell FA Glass Mat Roof Board</i>		
	OMG #14 Heavy Duty	OMG 3 in. Galvalume Steel Plate or AccuTrac Flat Bottom	
STEEL	SOPREMA #12 Fastener, SOPREMA #14 Fastener, SOPREMA #15-EL Fastener, SOPREMA #12 DP Fastener, SOPREMA #14 MP Fastener, SOPREMA #15 HD Fastener, Dekfast DF-#12-PH3, Dekfast DF-#14-PH3, Dekfast DF-#15-PH3, Trufast #12 DP, Trufast #14 HD or Trufast #15 EHD	SOPREMA 3 in. Insulation Plate, SOPREMA 3” Metal Insulation Plate, Dekfast PLT-R-3 or Trufast 3” Metal Insulation Plate	Min. 0.75-inch penetration
	ACE #12 Fastener, Ace #14 Fastener or ACE #15 Fastener	ACE 3” BE Insulation Plate or ACE 3” WW Insulation Plate	
	<i>Note: Ace parts are limited to use with polyisocyanurate insulation, SOPRABOARD, SOPRABOARD HS, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, or DEXcell FA Glass Mat Roof Board</i>		
	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty	OMG 3 in. Galvalume Steel Plate, AccuTrac Plate or AccuTrac Flat Bottom	
STRUCTURAL CONCRETE	SOPREMA #14 Fastener, SOPREMA #14 MP Fastener, Dekfast DF-#14-PH3, Trufast #14 HD or Trufast ¼” Concrete Spike	SOPREMA 3 in. Insulation Plate, SOPREMA 3” Metal Insulation Plate, Dekfast PLT-R-3 or Trufast 3” Metal Insulation Plate	Non-HVHZ: Min. 1-inch embedment HVHZ: Min. 1.25-inch embedment
	ACE #14 Fastener or ACE #15 Fastener	ACE 3” BE Insulation Plate or ACE 3” WW Insulation Plate	
	<i>Note: Ace parts are limited to use with polyisocyanurate insulation, SOPRABOARD, SOPRABOARD HS, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, or DEXcell FA Glass Mat Roof Board</i>		
	OMG #14 Heavy Duty or OMG CD-10	OMG 3 in. Galvalume Steel Plate, AccuTrac Plate or AccuTrac Flat Bottom OMG 3 in. Galvalume Steel Plate	

3.1.2 **Insulation:**

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



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
Revision 0: 2025-10-23

SOPREMA, Inc.
FL47886



- (c) Minimum 200 psi, minimum 2-inch thick FBC Approved lightweight insulating concrete may be substituted for, or installed below, rigid insulation board for System Types C-1, 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 the non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.
- (d) Florida Specific: 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 and C-1 systems are as outlined below.

TABLE 4A: INSULATION ATTACHMENT PATTERNS – 4x4 FT BOARDS

1 per 4.0 ft ² (4 per board)	1 per 3.2 ft ² (5 per board)	1 per 2.7 ft ² (6 per board)
1 per 2.0 ft ² (8 per board)	1 per 1.8 ft ² (9 per board)	1 per 1.6 ft ² (10 per board)
1 per 1.45 ft ² (11 per board)	1 per 1.3 ft ² (12 per board)	1 per 1.0 ft ² (16 per board)



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
Revision 0: 2025-10-23

SOPREMA, Inc.
FL47886



ACCREDITED
Product Certification
Agency

ISO/IEC 17065

PCA-145

NEMO|cert.® Page 7 of 66

TABLE 4B: INSULATION ATTACHMENT PATTERNS – 4X8 FT BOARDS

1 per 4.0 ft ² (8 per board)	1 per 3.2 ft ² (10 per board)	1 per 2.7 ft ² (12 per board)	1 per 2.3 ft ² (14 per board)
1 per 2.0 ft ² (16 per board)	1 per 1.8 ft ² (18 per board).5 ft	1 per 1.6 ft ² (20 per board)	1 per 1.45 ft ² (22 per board)
1 per 1.3 ft ² (24 per board)	1 per 1.0 ft ² (32 per board)		



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
Revision 0: 2025-10-23

SOPREMA, Inc.
FL47886



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 layer(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.

TABLE 5A: INSULATION ADHESIVE REFERENCES		
ADHESIVE	MINIMUM RATE	NOTE
DUOTACK 365	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.	
DUOTACK SPF HFO	Continuous 2.5 to 3.5-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.

TABLE 5B: MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS			
ADHESIVE	INSULATION	MIN. TAPERED THICKNESS (IN)	MDP (PSF)
DUOTACK or DUOTACK SPF, 12-inch o.c.	Any polyisocyanurate listed with adhesive herein	0.5	-157.5
DUOTACK 365, 12-inch o.c.	Any polyisocyanurate listed with adhesive herein	0.5	-459.5
DUOTACK 365, 4-inch o.c.	Any polyisocyanurate listed with adhesive herein	0.5	-485.0
DUOTACK SPF HFO, 12-inch o.c.	Any polyisocyanurate listed with adhesive herein	0.5	-485.0
DUOTACK SPF HFO, 4-inch o.c.	Any polyisocyanurate listed with adhesive herein	0.5	-745.0

- (c) Adhered Insulation, Board Size:

- IBC, CBC 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 Waterproofing Components:

Unless otherwise noted, refer to the following for bonded and liquid applied waterproofing application rates.

TABLE 6: WATERPROOFING APPLICATIONS			
REFERENCE	LAYER	MATERIALS	APPLICATION
SBS-CA2	Base Ply:	COLPHENE Sanded, COLPHENE 180 Sanded, COLPHENE 180 PS◇	COLPLY EF Adhesive, 0.5 to 1-inch wide ribbons spaced as noted
SBS-CA3	Base Ply:	COLPHENE Sanded, COLPHENE 180 Sanded, COLPHENE 180 PS◇	COLPLY EF Adhesive at 1.5 – 2.5 gal/square
	Cap Ply:	COLPHENE 180 FR GR, COLPHENE 250 FR GR	
SBS-TAP	Base Ply:	COLVENT Flam 180 TG◇	Torch-applied, Partial Bond
SBS-TAF	Base Ply or Ply:	COLPHENE SP 3.0, COLPHENE Flam 180◇, COLPHENE 180 SP 3.5	Torch-Applied, Full Bond
	Cap Ply:	COLPHENE Flam 180 GR, COLPHENE Flam 180 FR GR, COLPHENE Flam 250 FR GR	



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
Revision 0: 2025-10-23

SOPREMA, Inc.
FL47886



NEMO | cert.® Page 9 of 66

TABLE 6: WATERPROOFING APPLICATIONS			
REFERENCE	LAYER	MATERIALS	APPLICATION
SBS-SA	Base Ply or Ply:	COLPHENE Stick	Self-adhering, Full Bond
Notes:	Base Ply membranes marked with an asterisk (✧) have a poly-film top surface, and require installation of a torch-applied membrane overtop.		
	Top surfaces of SOPREMA membranes having a sand finish shall be primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC at 1 gal/sq. (0.6 l/m ²) prior to application of subsequent self-adhering (SBS-SA) membranes.		
	In SBS-CA3 or SBS-TAF applications over SOPRABOARD, DensDeck Prime, or SECUROCK Cement Board, the top insulation layer may be optionally primed with Detec Systems "TruGround Conductive Primer", roller-applied at 0.4 gal/square prior to membrane installation.		

3.1.5 Overburden:

- (a) Overburden of soil and plantings (for 'garden roofs', root barriers, filter fabric, drainage components, EPS / XPS insulation, etc.) or concrete topping slabs, that are specified by the Designer of Record, acceptable to the Authority Having Jurisdiction and do not form part of the load path to the waterproofing system, are permissible over the assemblies noted herein with no adverse effect on the wind uplift performance of the waterproofing system.
- (b) The Authority Having Jurisdiction may require integrity flood testing (ASTM D5957) or Electric Field Vector Mapping tests of all waterproofing systems prior to placement of overburden materials. Testing, if required by the Authority Having Jurisdiction, should be conducted by a qualified testing agency or professional.
- (c) For proprietary overburden components referenced herein, produced by a Product Manufacturer other than the report holder on Page 1 of this NER:
 - NEMO CERT, LLC does not purport to have evaluated said components for Code compliance. The scope of evaluation is limited to the as-tested interface of said components with the waterproofing systems.
 - Refer to the Approval documentation held by the component manufacturer to confirm Quality Assurance in accordance with F.A.C. Rule 61G20-3.
 - Florida Specific: Proprietary exterior elevated flooring systems shall demonstrate compliance with FBC 3115 to the satisfaction of the Authority Having Jurisdiction.

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 Decks:

- (a) This NER pertains to above-deck waterproofing components. Decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction.
- (b) Unless otherwise noted, reference to 'structural concrete' pertains to min. 2,500 psi structural concrete, and excludes 'structural lightweight concrete'.

4.1.3 Fire Classification:

- (a) Refer to **IBC, CBC, FBC 1505, FBC HVHZ 1516, UL TGFU.R11436** and the fire classification certificate for the waterproofing cover manufacturer for requirements and limitations regarding waterproofing 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 waterproofing assembly shall have quality assurance surveillance. For Florida Product Approval, this shall be 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:



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
Revision 0: 2025-10-23

SOPREMA, Inc.
FL47886



NEMO|cert.® Page 10 of 66

IBC, CBC, FBC Non-HVHZ	FBC HVHZ
<p>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.</p> <p>4.2.2 Refer to IBC 1512 or FBC 1511 for requirements and limitations regarding recover installations.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p>	<p>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.</p> <p>Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations.</p> <p>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.</p> <p>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.</p> <p>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.</p>
<p>4.2.3 <u>Wind Load Resistance:</u></p> <p>(a) Refer to Section 4.3 for a tabulated summary of assembly listings and maximum allowable design pressures.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p> <p>(e) For protected membrane waterproofing designs involving ballast, the ballast design shall comply with ANSI/SPRI RP-4.</p>	<p>“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 RAS 114 has already been applied). Refer to FBC HVHZ 1620 or RAS 128 for determination of design wind loads.</p> <p>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.</p> <p>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.</p> <p>Ballasted systems are not permitted in FBC HVHZ jurisdiction.</p>



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 (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. 5/8-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 ft ²	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. 5/8-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 ft ²	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. 5/8-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 ft ²	(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. 5/8-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 ft ²	(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. 5/8-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 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	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. 5/8-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 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(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. 5/8-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 ft ²	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. 5/8-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 ft ²	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. 5/8-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 ft ²	(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. 5/8-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 ft ²	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or 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 (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-11.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-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 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	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. 5/8-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 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-37.5*
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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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 ft ²	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board, or 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 ft ²	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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 ft ²	(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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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 ft ²	(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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-45.0*



**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 (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-19.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or SECUROCK Cement Roof Board.	SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or SECUROCK Cement Roof Board.	SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or SECUROCK Cement Roof Board.	SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	(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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or SECUROCK Cement Roof Board.	SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-23.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or SECUROCK Cement Roof Board.	SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or SECUROCK Cement Roof Board.	SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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 ft ²	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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 ft ²	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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 ft ²	(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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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 ft ²	(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 (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-29.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-67.5
W-TB/VB-34.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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	(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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	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 DEXcell FA Glass Mat Roof Board, min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or 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	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-67.5



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D

Revision 0: 2025-10-23

Page 15 of 66

SOPREMA, Inc.

FL47886



ISO/IEC 17065

[PCA-145](#)

**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 (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-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. 5/8-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. 5/8-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. 5/8-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	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. 5/8-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(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 (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. 5/8-inch DensDeck, DensDeck Prime	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	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. 5/8-inch DensDeck, DensDeck Prime	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-45.0*
S-TB/VB-3.	Min. 22 ga., Type B, Grade 33 steel	Min. 5/8-inch DensDeck, DensDeck Prime	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-45.0*
S-TB/VB-6.	Min. 22 ga., Type B, Grade 33 steel	Min. 5/8-inch DensDeck, DensDeck Prime	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	ELASTOCOL 500	SBS-TAF (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-7.	Min. 22 ga., Type B, Grade 33 steel	Min. 5/8-inch DensDeck, DensDeck Prime	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	None	SBS-TAF (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 (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-9.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-10.	Min. 22 ga., Type B, Grade 33 steel	Min. 5/8-inch DensDeck, DensDeck Prime	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-11.	Min. 22 ga., Type B, Grade 33 steel	Min. 5/8-inch DensDeck, DensDeck Prime	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(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. 5/8-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. 5/8-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. 5/8-inch DEXcell Cement Roof Board	DUOTACK 365	12-inch o.c.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-17.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK 365	12-inch o.c.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-18.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF HFO	12-inch o.c.	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365 or DUOTACK SPF HFO	-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 (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-19.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	None	SBS-CA3 (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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	None	SBS-TAF (sanded top)	None	DUOTACK	-75.0
S-TB/VB-21.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-75.0
S-TB/VB-22.	Min. 22 ga., Type B, Grade 40 steel	Min. 5/8-inch DensDeck, DensDeck Prime	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	None	SBS-CA3, SBS-CA4 or SBS-AA (sanded top)	None	DUOTACK	-82.5
S-TB/VB-23.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	None	SBS-AA (sanded top)	None	DUOTACK	-82.5
S-TB/VB-24.	Min. 22 ga., Type B, Grade 40 steel	Min. 5/8-inch DensDeck, DensDeck Prime or min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	ELASTOCOL 500	SBS-TAF (sanded top)	None	DUOTACK	-82.5
S-TB/VB-25.	Min. 22 ga., Type B, Grade 40 steel	Min. 5/8-inch DensDeck, DensDeck Prime or min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-82.5
S-TB/VB-26.	Min. 22 ga., Type B, Grade 40 steel	Min. 5/8-inch DensDeck, DensDeck Prime or min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-82.5



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
 Revision 0: 2025-10-23
 Page 19 of 66

SOPREMA, Inc.
 FL47886



**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 (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-27.	Min. 22 ga., Type B, Grade 40 steel	Min. 5/8-inch DensDeck, DensDeck Prime or min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-82.5
S-TB/VB-28.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-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-29.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-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. 5/8-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-127.5
S-TB/VB-31.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-127.5
S-TB/VB-32.	Min. 22 ga., Type B, Grade 40 steel	Min. 5/8-inch DensDeck Prime	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK SPF HFO	-75.0
S-TB/VB-33.	Min. 22 ga., Type B, Grade 40 steel	Min. 5/8-inch DensDeck Prime	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(Optional) SBS-SA1	SBS-TAF	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. 5/8-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-35.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R	None	DUOTACK SPF HFO	-75.0
S-TB/VB-36.	Min. 22 ga., Type B, Grade 40 steel	Min. 5/8-inch DensDeck Prime	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-37.	Min. 22 ga., Type B, Grade 40 steel	Min. 5/8-inch DensDeck Prime	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	(Optional) SBS-SA1	SBS-TAF	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 (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-38.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-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-39.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5

(c) Structural Concrete Decks:

TABLE VB-3A: STRUCTURAL CONCRETE DECK				
VAPOR BARRIER FOLLOWED BY ADHERED INSULATION				
OPTION #	PRIMER	VAPOR BARRIER (3.1.4)	ADHESIVE (3.1.3)	MDP (PSF)
C-VB-1.	none	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	DUOTACK 365, 6-inch o.c.	-445.0
C-VB-2.	(Optional) ASTM D41, Elastocol 500	SBS-CA3 (granule top surface)	DUOTACK 365	-195.0
C-VB-3.	ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R, self-adhering	DUOTACK 365	-240.0
C-VB-4.	none	SBS-CA3 (sanded top)	DUOTACK 365	-255.0
C-VB-5.	ASTM D41, Elastocol 500	SBS-CA3 (sanded top)	DUOTACK 365	-270.0
C-VB-6.	ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R, self-adhering	DUOTACK 365, 6-inch o.c.	-271.5
C-VB-7.	ASTM D41	SBS-TAF (granule top surface)	DUOTACK 365	-195.0
C-VB-8.	ASTM D41	SBS-TAP (sanded top)	DUOTACK 365	-232.5
C-VB-9.	ASTM D41	SBS-TAF (sanded top)	DUOTACK 365	-382.5
C-VB-10.	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-11.	ASTM D41	SBS-CA4 (granule top)	DUOTACK	-97.5
C-VB-12.	ASTM D41	SBS-CA4 (sanded top)	DUOTACK	-120.0
C-VB-13.	none	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	DUOTACK	-120.0
C-VB-14.	(Optional) ASTM D41, ELASTOCOL 500	SBS-CA3 (granule top)	DUOTACK	-195.0
C-VB-15.	ASTM D41	SBS-AA (granule top)	DUOTACK	-195.0
C-VB-16.	ASTM D41	SBS-TAF (granule top)	DUOTACK	-195.0



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

OPTION #	PRIMER	VAPOR BARRIER (3.1.4)	ADHESIVE (3.1.3)	MDP (PSF)
C-VB-17.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SBS-SA1 (granule top)	DUOTACK	-195.0
C-VB-18.	none	SBS-CA2 (sanded- or granule-top-surface), 6-inch o.c.	DUOTACK (ribbons perpendicular to vapor barrier adhesive ribbons)	-207.5
C-VB-19.	ASTM D41	SBS-TAP (sanded top)	DUOTACK	-232.5
C-VB-20.	ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R, self-adhering	DUOTACK	-240.0
C-VB-21.	none	SBS-CA3 (sanded top)	DUOTACK	-255.0
C-VB-22.	ASTM D41, ELASTOCOL 500	SBS-CA3 (sanded top)	DUOTACK	-270.0
C-VB-23.	ASTM D41	SBS-AA (sanded top)	DUOTACK	-270.0
C-VB-24.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SBS-SA1 (sanded top)	DUOTACK	-315.0
C-VB-25.	ASTM D41	SBS-TAF (sanded top)	DUOTACK	-382.5
C-VB-26.	None	SBS-CA2 (sanded- or granule-top-surface), 6-inch o.c.	DUOTACK, 6-inch o.c.	-445.0
C-VB-27.	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-28.	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-29.	ASTM D41	SBS-CA4 (granule top)	DUOTACK SPF HFO	-97.5
C-VB-30.	ASTM D41	SBS-CA4 (sanded top)	DUOTACK SPF HFO	-120.0
C-VB-31.	(Optional) ASTM D41, ELASTOCOL 500	SBS-CA3 (granule top)	DUOTACK SPF HFO	-195.0
C-VB-32.	ASTM D41	SBS-AA (granule top)	DUOTACK SPF HFO	-195.0
C-VB-33.	ASTM D41	SBS-TAF (granule top)	DUOTACK SPF HFO	-195.0
C-VB-34.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SBS-SA1 (granule top)	DUOTACK SPF HFO	-195.0



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

OPTION #	PRIMER	VAPOR BARRIER (3.1.4)	ADHESIVE (3.1.3)	MDP (PSF)
C-VB-35.	(Optional) ASTM D41, ELASTOCOL 500	SBS-CA3 (sanded top)	DUOTACK SPF HFO	-222.5
C-VB-36.	ASTM D41	SBS-AA (sanded top)	DUOTACK SPF HFO	-222.5
C-VB-37.	ASTM D41	SBS-TAP or SBS-TAF (sanded top)	DUOTACK SPF HFO	-222.5
C-VB-38.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SBS-SA1 (sanded top)	DUOTACK SPF HFO	-222.5
C-VB-39.	ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SOPRAVAP'R, self-adhering	DUOTACK SPF HFO	-392.5
C-VB-40.	ASTM D41	SBS-AA (sanded top)	hot asphalt	-210.0
C-VB-41.	ASTM D41	SOPRA IV, SOPRA VI, MODIFIED SOPRA G applied in hot asphalt	hot asphalt	-270.0
C-VB-42.	none	SBS-CA2 (sanded-top-surface), ribbons 6-inch o.c.	hot asphalt	-367.5
C-VB-43.	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)		ADHESIVE (3.1.3)	MDP (PSF)
		BASE PLY	CAP PLY		
C-VB-44.	none	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)	DUOTACK 365	-120.0
C-VB-45.	none	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	DUOTACK 365, 6-inch o.c.	-382.5
C-VB-46.	none	SBS-CA2, ribbons 6-inch o.c.	SBS-TAF (sanded- or granule-top-surface)	DUOTACK 365, 6-inch o.c.	-445.0
C-VB-47.	ASTM D41	SBS-TAF	SBS-TAF (sanded top)	DUOTACK 365	-382.5
C-VB-48.	ASTM D41	SBS-CA4	SBS-CA4, SBS-AA or SBS-TAF (granule top)	DUOTACK	-97.5
C-VB-49.	ASTM D41	SBS-CA4	SBS-CA4 (sanded top)	DUOTACK	-120.0
C-VB-50.	none	SBS-CA2, 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)	DUOTACK	-120.0
C-VB-51.	(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-52.	ASTM D41	SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 (granule top)	DUOTACK	-195.0



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D

Revision 0: 2025-10-23

Page 23 of 66

SOPREMA, Inc.

FL47886



ISO/IEC 17065

PCA-145

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

OPTION #	PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE (3.1.3)	MDP (PSF)
		BASE PLY	CAP PLY		
C-VB-53.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 (granule top)	DUOTACK	-195.0
C-VB-54.	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-55.	ASTM D41	SBS-TAP	SBS-TAF (sanded top)	DUOTACK	-232.5
C-VB-56.	none	SBS-CA3	SBS-CA3 (sanded top)	DUOTACK	-255.0
C-VB-57.	ASTM D41, ELASTOCOL 500	SBS-CA3	SBS-CA3 (sanded top)	DUOTACK	-270.0
C-VB-58.	ASTM D41	BP-AA	BP-AA	DUOTACK	-270.0
C-VB-59.	ASTM D41	SBS-AA	SBS-AA (sanded top)	DUOTACK	-270.0
C-VB-60.	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SBS-SA1	SBS-SA1 (sanded top)	DUOTACK	-315.0
C-VB-61.	ASTM D41	SBS-TAF	SBS-TAF (sanded top)	DUOTACK	-382.5
C-VB-62.	none	SBS-CA2, 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-382.5
C-VB-63.	none	SBS-CA2, 6-inch o.c.	SBS-TAF (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-445.0
C-VB-64.	ASTM D41	SBS-AA	SBS-AA (sanded top)	hot asphalt	-210.0
C-VB-65.	ASTM D41	BP-AA	BP-AA	hot asphalt	-270.0
C-VB-66.	none	SBS-CA2, 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded-top-surface)	hot asphalt	-367.5
C-VB-67.	ASTM D41	SBS-TAF	SBS-TAF (sanded top)	hot asphalt	-367.5



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D

Revision 0: 2025-10-23

Page 24 of 66

SOPREMA, Inc.

FL47886



ISO/IEC 17065

PCA-145

(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 #	PRIMER	DRY-IN/TEMPORARY ROOF (3.1.4)		MDP (PSF)
		BASE PLY	CAP PLY	
LWC-VB-1.	None	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	-382.5
LWC-VB-2.	None	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	-445.0
LWC-VB-3.	None	SBS-CA2, ribbons 6-inch o.c.	SBS-TAF (sanded- or granule-top-surface)	-445.0
LWC-VB-4.	None	SBS-CA3 (sanded-top-surface)	None	-255.0
LWC-VB-5.	None	(Optional) SBS-CA3	SBS-CA3 (sanded- or granule-top-surface)	-255.0
LWC-VB-6.	ASTM D41, ELASTOCOL 500	SBS-CA3 (sanded-top-surface)	None	-270.0
LWC-VB-7.	ASTM D41, ELASTOCOL 500	(Optional) SBS-CA3	SBS-CA3 (sanded- or granule-top-surface)	-270.0
LWC-VB-8.	ASTM D41, ELASTOCOL 500	SBS-TAF (sanded-top-surface)	None	-367.5
LWC-VB-9.	ASTM D41, ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF (sanded- or granule-top-surface)	-367.5



4.3.2 Roof Assemblies:

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
7A	Wood	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	25
7B	Wood	New, Reroof (Tear-Off)	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	26
7C	Wood	New, Reroof (Tear-Off), or Recover	C-1	Mechanically Attached Insulation, Bonded Waterproofing	28
7D	Wood	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Base Membrane, Bonded Roof Cover	29
8A	Steel	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	29
8B	Steel or Structural Concrete	New, Reroof (Tear-Off), or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation	29
9A	Structural Concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Waterproofing	41
9B	Structural Concrete	New, Reroof (Tear-Off)	A-2	Bonded Waterproofing, Bonded Insulation(s)	43
9C	Structural Concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Waterproofing	45
9D	Structural Concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Waterproofing Cover	52
10A	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	E-2	LWC to Deck, Mechanically Attached Base Sheet, Bonded Waterproofing	54
10B	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	E-2	Thermal Barrier to Deck, Vapor Barrier to Thermal Barrier, LWC to Vapor Barrier, Non-Insulated, Mechanically Attached Base Sheet, Bonded Waterproofing	58
10C	Deck with Lightweight Concrete	New	F	LWC to Deck, Bonded Waterproofing	61
10D	Deck with Lightweight Concrete	New	F	LWC to Deck, Bonded Waterproofing	62
11A	Recover	Recover	F	Non-Insulated, Bonded Waterproofing	66

**TABLE 7A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING
 REFER TO [TABLE VB-1](#) FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	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. 0.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 12" o.c.	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS or min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK 365, 12" o.c.	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-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. 0.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6" o.c.	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK 365, 6" o.c.	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-97.5
W-3.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB or min. 15/32" APA rated plywood	Min. 0.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 5/8-in. DensDeck Prime	DUOTACK SPF HFO	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5



**TABLE 7A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING**

REFER TO [TABLE VB-1](#) FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSE)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY		
HOT OR TORCH APPLIED BASE PLY:										
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. 0.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 12" o.c.	Min. 0.25-inch SOPRABOARD, SOPRABOARD HS, or DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK 365, 12" o.c.	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5
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 ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6" o.c.	Min. 0.25-in. SOPRABOARD, SOPRABOARD HS, DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-105.0
W-6.	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. 5/8-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c.	None	N/A	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-105.0
W-7.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB or min. 15/32" APA rated plywood	Min. 0.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 5/8-in. DensDeck Prime	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5

**TABLE 7B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED WATERPROOFING**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSE)
		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-8.	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 ft ²	Min. 0.25-inch SOPRABOARD, SOPRABOARD HS, or DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
W-9.	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 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-67.5



**TABLE 7B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED WATERPROOFING**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
W-10.	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 ft ²	Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
W-11.	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 ft ²	Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-67.5
W-12.	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 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	Trufast RA	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
HOT OR TORCH APPLIED BASE PLY:											
W-13.	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 ft ²	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS, DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
W-14.	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 ft ²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-TAF	None	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
W-15.	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 ft ²	Min. 0.25-inch SOPRABOARD, SOPRABOARD HS, DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-67.5



**TABLE 7b: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED WATERPROOFING**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
W-16.	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 ft ²	SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAF	None	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-67.5
W-17.	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 ft ²	Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
W-18.	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 ft ²	Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-67.5
W-19.	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 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	Trufast RA	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*

**TABLE 7c: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED WATERPROOFING**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION AND/OR THERMAL BARRIER LAYER(S) (3.1.2)	TOP INSULATION LAYER			WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
			TYPE	FASTENERS (4.2.2A)	ATTACH	BASE PLY	PLY	CAP PLY		
W-20.	Min. 19/32-inch plywood per FBC Section 2322.2	(Optional) One or more layers, any combination, loose laid	Min. 5/8-inch DensDeck Prime	See Section 3.1.1	1 per 1.6 ft ²	SBS-CA3, SBS-TAP or SBS-TAF	(Optional) SBS-TAF or SBS-SA	SBS-CA3, or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5



TABLE 7D: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED BASE MEMBRANE, BONDED WATERPROOFING						
SYSTEM No.	Deck (4.1.2)	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		BASE	PLY	CAP		
W-21.	Min. 19/32-inch plywood	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-97.5

TABLE 8A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING* 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)		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
COLD APPLIED BASE PLY:												
S-1.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or SECUROCK 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 SOPRABOARD, SOPRABOARD HS, or DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK 365	SBS-CA3	None	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
S-2.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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	None	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5
S-3.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-TAF	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-60.0



TABLE 8A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING*

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)		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
S-4.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-60.0
S-5.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-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. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK 365	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
S-6.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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. 5/8-inch DensDeck Prime	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
S-7.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
S-8.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	None	N/A	None	N/A	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
S-9.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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. 5/8-inch DensDeck Prime	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-97.5



**TABLE 8A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING***
 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)		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
S-10.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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 or SOPRABOARD HS	DUOTACK 365, 6-inch o.c.	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-97.5
S-11.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5
S-12.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime. DEXcell Cement Roof Board, or SECUROCK 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, SOPRABOARD HS, DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	None	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0
S-13.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or SECUROCK 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, SOPRABOARD HS, DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c.	SBS-CA3	None	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-97.5
HOT OR TORCH APPLIED BASE PLY:												
S-14.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or SECUROCK 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 SOPRABOARD, SOPRABOARD HS, or DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK 365	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*



**TABLE 8A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING***

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)		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
S-15.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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, SOPRABOARD HS, DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime	DUOTACK	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
S-16.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-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. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK 365	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
S-17.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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. 5/8-inch DensDeck Prime	DUOTACK	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-97.5
S-18.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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 or SOPRABOARD HS	DUOTACK 365, 6-inch o.c.	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-97.5
S-19.	22 ga., Type B, Grade 50 steel	(Optional) Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime or 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. DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-120.0
S-20.	22 ga., Type B, Grade 50 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	None	N/A	None	N/A	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-127.5



**TABLE 8A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING***
 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)		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
S-21.	22 ga., Type B, Grade 40 steel	(Optional) Min. 5/8-inch DensDeck Prime	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. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5
S-22.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or SECUROCK 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, SOPRABOARD HS, or DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0
S-23.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime, DEXcell Cement Roof Board, or SECUROCK 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, SOPRABOARD HS, DEXcell FA Glass Mat Roof Board or min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c.	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-127.5

**TABLE 8B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED WATERPROOFING**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
COLD APPLIED BASE PLY:											
C-1.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*



**TABLE 8b: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED WATERPROOFING**

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
C-2.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-3.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-4.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by Min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-5.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	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	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-6.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-7.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*



**TABLE 8B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED WATERPROOFING**

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
C-8.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-9.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-10.	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-EL Fastener or SOPREMA #15 HD Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft ²	Additional layer(s) base insulation followed by min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5
C-11.	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-EL Fastener or SOPREMA #15 HD Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft ²	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5
C-12.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
C-13.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	INSULATION: Min. 2-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII followed by COVERBOARD: min. 0.25-inch SOPRABOARD or SOPRABOARD HS.	DUOTACK 365	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5



**TABLE 8B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED WATERPROOFING**

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
C-14.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
C-15.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min 2-inch H-Shield	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft ²	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK 365, 6-inch o.c.	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-135.0
C-16.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-17.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-18.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	Min. 0.25-inch SOPRABOARD, SOPRABOARD HS or DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	SBS-CA3	None	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0
C-19.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5



**TABLE 8b: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED WATERPROOFING**

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
C-20.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	Trufast RA	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-21.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 1-inch ACfoam II, ACfoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	Trufast RA	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-22.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	Trufast RA	SBS-CA3	None	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
HOT OR TORCH APPLIED BASE PLY:											
C-23.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS, Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-TAP, SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-24.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAP, SBS-TAF	None	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-25.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 1-inch ACfoam II, ACfoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.25-inch SOPRABOARD or SOPRABOARD HS, Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*



**TABLE 8b: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED WATERPROOFING**

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
C-26.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 1-inch ACfoam II, ACfoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAP, SBS-TAF	None	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-27.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS, Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-TAP, SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-28.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAP, SBS-TAF	None	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-29.	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-EL Fastener or SOPREMA #15 HD Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft ²	Additional layer(s) base insulation followed by min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5
C-30.	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-EL Fastener or SOPREMA #15 HD Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft ²	Additional layer(s) base insulation followed by SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAF	None	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5
C-31.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS, DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5



**TABLE 8b: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED WATERPROOFING**

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
C-32.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	INSULATION: Min. 2-inch ACfoam II, ACfoam III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII followed by COVERBOARD: min. 0.25-inch SOPRABOARD or SOPRABOARD HS.	DUOTACK 365	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
C-33.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min 2-inch H-Shield	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft ²	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK 365, 6-inch o.c.	SBS-TAF	SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-135.0
C-34.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-TAP, SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-35.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACfoam II, H-Shield CG or Ultra-Max	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-TAP, SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-36.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACfoam II, H-Shield CG or Ultra-Max	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	Min. 0.25-inch SOPRABOARD, SOPRABOARD HS, or DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0
C-37.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACfoam II, H-Shield CG or Ultra-Max	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft ²	Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5



**TABLE 8B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED WATERPROOFING**

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
C-38.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 Fastener, #14 MP Fastener, #15-EL Fastener or #15 HD Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft ²	Min. 5/8-inch DensDeck Prime	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-105.0
C-39.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 Fastener, #14 MP Fastener, #15-EL Fastener or #15 HD Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft ²	Min. 0.25-inch SOPRABOARD, SOPRABOARD HS, DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, 6" o.c.	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-105.0
C-40.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	Trufast RA	SBS-TAP, SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-41.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	Trufast RA	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*
C-42.	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 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	Trufast RA	SBS-TAP, SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0*



**TABLE 9A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: BONDED INSULATION(S), BONDED WATERPROOFING**

REFER TO [TABLE VB-3A](#) OR [TABLE VB-3B](#) FOR VAPOR BARRIER OPTIONS

SYSTEM No.	DECK (4.1.2)	INSULATION		PRIMER	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	ATTACH (3.1.3)		BASE PLY	PLY	CAP PLY		
COLD APPLIED BASE PLY WATERPROOFING:									
C-1.	Min. 2,500 psi structural concrete	Base: (Optional) Min. 1.5-inch SOPRA-ISOs, SOPRA-ISO+s, SOPRA-ISOr, SOPRA-ISO+r, Multi-Max FA3 or Ultra-Max Top: Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	(Optional) DETEC "TruGround Conductive Primer"	SBS-CA3	SBS-CA3 or SBS-TAF (sanded top)	None	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-271.5
C-2.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	(Optional) DETEC "TruGround Conductive Primer"	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-270.0
C-3.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	(Optional) DETEC TruGround Conductive Primer	SBS-CA3	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-382.5
C-4.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	DUOTACK 365	(Optional) DETEC "TruGround Conductive Primer"	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-270.0
C-5.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	DUOTACK 365	(Optional) DETEC TruGround Conductive Primer	SBS-CA3	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-382.5
TORCH APPLIED BASE PLY WATERPROOFING:									
C-6.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	None	SBS-TAP or SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Lok-Down, Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. Lok-Down base or Terra-Stand base set in DUOTACK 365 (full-coverage). Terra-Stand core and top components (if used) set in DUOTACK 365 (full-coverage).	-97.5
C-7.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	None	SBS-TAP	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-155.0



TABLE 9A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION(S), BONDED WATERPROOFING
 REFER TO [TABLE VB-3A](#) OR [TABLE VB-3B](#) FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	INSULATION		PRIMER	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	ATTACH (3.1.3)		BASE PLY	PLY	CAP PLY		
C-8.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	None	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base.	-240.0
C-9.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	None	SBS-TAF	One or two SBS-TAF	None	Drainage: SOPRADRAIN ECOVENT 2 bonded with DUOTACK 365, 6-inch spots in 12 x 12-inch grid (1 per 1 ft ²) Overburden: Minimum nominal 12 x 12 x 1-inch concrete pavers in ANSI A118.1 dry set mortar, ¼-inch notched trowel per ANSI A108.5	-252.5
C-10.	Min. 2,500 psi structural concrete	Base: (Optional) Min. 1.5-inch SOPRA-ISOs, SOPRA-ISO+s, SOPRA-ISOR, SOPRA-ISO+r, Multi-Max FA3 or Ultra-Max Top: Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	(Optional) DETEC “TruGround Conductive Primer”	SBS-TAF	SBS-TAF	None	Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-271.5
C-11.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	None	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-367.5
C-12.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	DUOTACK 365	None	SBS-TAP or SBS-TAF	(Optional) SBS-TAF	SBS-TAF	Wausau Lok-Down, Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. Lok-Down base or Terra-Stand base set in DUOTACK 365 (full-coverage). Terra-Stand core and top components (if used) set in DUOTACK 365 (full-coverage).	-97.5
C-13.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	DUOTACK 365	None	SBS-TAP	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-155.0
C-14.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	DUOTACK 365	None	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base.	-240.0
C-15.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	DUOTACK 365	None	SBS-TAF	(Optional) SBS-TAF	None	Drainage: SOPRADRAIN ECOVENT 2 bonded with DUOTACK 365, 6-inch spots in 12 x 12-inch grid (1 per 1 ft ²) Overburden: Minimum nominal 12 x 12 x 1-inch concrete pavers in ANSI A118.1 dry set mortar, ¼-inch notched trowel per ANSI A108.5	-252.5



TABLE 9A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)									
SYSTEM TYPE A-1: BONDED INSULATION(S), BONDED WATERPROOFING									
REFER TO TABLE VB-3A OR TABLE VB-3B FOR VAPOR BARRIER OPTIONS									
SYSTEM No.	DECK (4.1.2)	INSULATION		PRIMER	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	ATTACH (3.1.3)		BASE PLY	PLY	CAP PLY		
C-16.	Min. 2,500 psi structural concrete	Min. 0.25-inch SOPRABOARD	DUOTACK 365	None	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-382.5

TABLE 9B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)														
SYSTEM TYPE A-2: BONDED WATERPROOFING, BONDED INSULATION(S)														
SYSTEM No.	DECK (4.1.2)	SUBSTRATE BOARD		PRIMER	WATERPROOFING (3.1.4)		BASE INSULATION LAYER		TOP INSULATION LAYER		WATERPROOFING (3.1.4)		OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	ATTACH		BASE PLY	CAP PLY	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	CAP PLY		
C-17.	Min. 2,500 psi struct. concrete	(Optional) Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	ASTM D41 or DECTEC TruGround Conductive Primer	One or two SBS-TAF	SBS-TAF	Min. 1.5-inch SOPRA-XPS or Dupont Styrofoam High Load 60 or PlazaMate	DUOTACK 365, 12-inch o.c.	None	N/A	None	None	Drainage board and structural concrete topping slab	N/A
C-18.	Min. 2,500 psi struct. concrete	None	N/A	ASTM D41 or DECTEC TruGround Conductive Primer	One or two SBS-TAF	None	Min. 1.5-inch SOPRA-ISOs, SOPRA-ISO+s, SOPRA-ISOr, SOPRA-ISO+r, Multi-Max FA3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 5/8-inch DensDeck Prime or or min. 0.5-inch DEXcell FA Glass Mat Roof Board	DUOTACK 365, 6-inch o.c.	SBS-TAF	SBS-TAF	<u>Wausau Lok-Down, Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. Lok-Down base or Terra-Stand base set in DUOTACK 365 (full-coverage). Terra-Stand core and top components (if used) set in DUOTACK 365 (full-coverage).	-97.5
C-19.	Min. 2,500 psi struct. concrete	None	N/A	None	One or two SBS-CA3 or SBS-TAF	None	Min. 2-inch SOPRA-XPS (min. 60-psi)	DUOTACK 365, 9-inch diameter spots, 12-inch o.c. in a staggered grid pattern	None	N/A	None	N/A	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-230.0



**TABLE 9B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED WATERPROOFING, BONDED INSULATION(S)**

SYSTEM No.	DECK (4.1.2)	SUBSTRATE BOARD		PRIMER	WATERPROOFING (3.1.4)		BASE INSULATION LAYER		TOP INSULATION LAYER		WATERPROOFING (3.1.4)		OVERBURDEN (3.1.5)	MDP (PSF)
		TYPE	ATTACH		BASE PLY	CAP PLY	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	CAP PLY		
C-20.	Min. 2,500 psi struct. concrete	None	N/A	ELASTOCOL 500	One or two SBS-TAF	SBS-TAF	Min. 2-inch Dupont Styrofoam High Load 60 or PlazaMate	DUOTACK 365, 8-inch diameter spots, 12-inch o.c. in a staggered grid pattern	None	N/A	None	N/A	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base.	-270.0
C-21.	Min. 2,500 psi struct. concrete	None	N/A	ASTM D41 or DECTEC TruGround Conductive Primer	One or two SBS-TAF	SBS-TAF	Min. 1.5-inch SOPRA-XPS (min. 60-psi) or Dupont Styrofoam High Load 60 or PlazaMate	DUOTACK 365, 12-inch o.c.	(Optional) Min. 5/8-inch SECUROCK Cement Board	DUOTACK 365, 12-inch o.c.	None	None	Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or min. 12x12-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-255.0
C-22.	Min. 2,500 psi struct. concrete	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	None	One or two SBS-TAF	SBS-TAF	Min. 1.5-inch SOPRA-XPS (min. 60-psi) or Dupont Styrofoam High Load 60 or PlazaMate	DUOTACK 365, 12-inch o.c.	(Optional) Min. 5/8-inch SECUROCK Cement Board	DUOTACK 365, 12-inch o.c.	None	None	Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or min. 12x12-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-255.0
C-23.	Min. 2,500 psi struct. concrete	(Optional) Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	None	One or two SBS-CA3	SBS-CA3 or SBS-TAF	Min. 1.5-inch SOPRA-XPS (min. 60-psi) or Dupont Styrofoam High Load 60 or PlazaMate	DUOTACK 365, 12-inch o.c.	(Optional) Min. 5/8-inch SECUROCK Cement Board	DUOTACK 365, 12-inch o.c.	None	None	Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or min. 12x12-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-255.0
C-24.	Min. 2,500 psi struct. concrete	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	(Optional) DECTEC TruGround Conductive Primer	One or two SBS-CA3	SBS-CA3 or SBS-TAF	Min. 1.5-inch SOPRA-XPS (min. 60-psi) or Dupont Styrofoam High Load 60 or PlazaMate	DUOTACK 365, 12-inch o.c.	(Optional) Min. 5/8-inch SECUROCK Cement Board	DUOTACK 365, 12-inch o.c.	None	None	Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or min. 12x12-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-255.0



TABLE 9c: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING
 REFER TO [TABLE VB-3A](#) OR [TABLE VB-3B](#) FOR VAPOR BARRIER OPTIONS

SYSTEM No.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
COLD APPLIED BASE PLY:											
C-25.	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. 5/8-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-190.0
C-26.	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. 5/8-inch DEXcell Cement Roof Board	DUOTACK , 6-inch o.c.	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-271.5
C-27.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf Atlas ThermalStar	DUOTACK	Min. 5/8-inch DensDeck Prime	DUOTACK	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-150.0
C-28.	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. 5/8-inch DensDeck Prime	DUOTACK	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-271.5
C-29.	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-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-120.0



TABLE 9c: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING
 REFER TO [TABLE VB-3A](#) OR [TABLE VB-3B](#) FOR VAPOR BARRIER OPTIONS

SYSTEM No.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
C-30.	Structural Concrete	None	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-180.0
C-31.	Structural Concrete	None	(Optional) Min. 0.5-inch ACfoam II, ACfoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 5/8-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-190.0
C-32.	Structural Concrete	None	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	DUOTACK SPF HFO	Min. 5/8-inch DensDeck Prime or min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-240.0
C-33.	Structural Concrete	None	Min. 0.5-inch ACfoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 5/8-inch DensDeck Prime or min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-270.0
C-34.	Structural Concrete	None	(Optional) Min. 0.5-inch ACfoam II	DUOTACK SPF HFO	Min. 5/8-inch DensDeck Prime or min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-271.5
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	Min. 5/8-inch DEXcell Cement Roof Board	Trufast RA	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-190.0



TABLE 9c: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING
 REFER TO [TABLE VB-3A](#) OR [TABLE VB-3B](#) FOR VAPOR BARRIER OPTIONS

SYSTEM No.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
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, 4-inch o.c.	Min. 5/8-inch DEXcell Cement Roof Board	Trufast RA, 4-inch o.c.	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-271.5
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. 5/8-inch DensDeck Prime	Trufast RA	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-195.0
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-CA3	(Optional) SBS-CA3	SBS-CA3	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-120.0
HOT OR TORCH APPLIED BASE PLY:											
C-39.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK	SBS-TAP or SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-152.5
C-40.	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 SOPRABOARD or SOPRABOARD HS	DUOTACK	SBS-TAP	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-150.0



TABLE 9c: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING
REFER TO TABLE VB-3A OR TABLE VB-3B FOR VAPOR BARRIER OPTIONS

Table with 12 columns: SYSTEM No., DECK (4.1.2), PRIME, BASE INSULATION LAYER (TYPE, ATTACH (3.1.3)), TOP INSULATION LAYER (TYPE, ATTACH (3.1.3)), WATERPROOFING (3.1.4) (BASE, PLY, CAP), OVERBURDEN (3.1.5), and MDP (PSF). Rows C-41 through C-46 detail various construction configurations.



TABLE 9c: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING
 REFER TO [TABLE VB-3A](#) OR [TABLE VB-3B](#) FOR VAPOR BARRIER OPTIONS

SYSTEM No.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
C-47.	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. 5/8-inch DensDeck Prime primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-271.5
C-48.	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-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-187.5
C-49.	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-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-227.5
C-50.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Ultra-Max	DUOTACK SPF	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK SPF	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-217.5
C-51.	Structural Concrete	None	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	DUOTACK SPF HFO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-180.0
C-52.	Structural Concrete	None	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. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-240.0



TABLE 9c: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING
 REFER TO [TABLE VB-3A](#) OR [TABLE VB-3B](#) FOR VAPOR BARRIER OPTIONS

SYSTEM No.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
C-53.	Structural Concrete	None	Min. 0.5-inch AC Foam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-270.0
C-54.	Structural Concrete	None	(Optional) Min. 0.5-inch AC Foam II	DUOTACK SPF HFO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 5/8-inch DensDeck Prime or DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-271.5
C-55.	Structural Concrete	None	Min. 0.5-inch AC Foam II, AC Foam III, H-Shield or H-Shield CG	DUOTACK SPF HFO	Min. 0.25-inch SOPRABOARD or SOPRABOARD HS	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-271.5
C-56.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	None	N/A	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-271.5
C-57.	Structural Concrete	None	(Optional) Min. 1.5-inch AC Foam II, AC Foam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 5/8-inch DEXcell Cement Roof Board	Trufast RA	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-195.0
C-58.	Structural Concrete	None	(Optional) Min. 1.5-inch AC Foam II, AC Foam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Trufast RA	Min. 5/8-inch DensDeck Prime	Trufast RA	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-195.0



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D
 Revision 0: 2025-10-23
 Page 51 of 66

SOPREMA, Inc.
 FL47886



TABLE 9c: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED WATERPROOFING
 REFER TO [TABLE VB-3A](#) OR [TABLE VB-3B](#) FOR VAPOR BARRIER OPTIONS

SYSTEM No.	DECK (4.1.2)	PRIME	BASE INSULATION LAYER		TOP INSULATION LAYER		WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP		
C-59.	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-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-187.5
C-60.	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-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at ~50 mL (1.7 fluid oz) per base.	-227.5



**TABLE 9D: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED WATERPROOFING COVER**

SYSTEM NO.	DECK (4.1.2)	PRIMER	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
			BASE PLY	PLY	CAP PLY		
COLD-APPLIED BASE PLY:							
C-61.	Min. 2,500 psi struct. concrete	None	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-60.0
C-62.	Min. 2,500 psi struct. concrete	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-180.0
C-63.	Min. 2,500 psi struct. concrete	None	SBS-CA3	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-270.0
TORCH-APPLIED BASE PLY:							
C-64.	Min. 2,500 psi struct. concrete	ELASTOCOL 500 or DECTEC TruGround Conductive Primer	SBS-TAP or SBS-TAF	(Optional) SBS-TAF	SBS-TAF	Drainage board and structural concrete topping slab	N/A
C-65.	Min. 2,500 psi struct. concrete	ELASTOCOL 500 or DECTEC TruGround Conductive Primer	SBS-TAP or SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Lok-Down, Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. Lok-Down base or Terra-Stand base set in DUOTACK 365 (full-coverage). Terra-Stand core and top components (if used) set in DUOTACK 365 (full-coverage).	-97.5
C-66.	Min. 2,500 psi struct. Concrete	ELASTOCOL 500	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Greenrise Concrete Wind Paver System:</u> <ul style="list-style-type: none"> ✓ Installed in accordance with <u>Greenrise Technologies</u> requirements with 2-inch GRT Concrete Pavers fastened using GRT Fastening Kit ✓ GRT Pedestal base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS. 	-122.5
C-67.	Min. 2,500 psi struct. concrete	ELASTOCOL 500	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base.	-240.0
C-68.	Min. 2,500 psi struct. concrete	ASTM D41 or DECTEC TruGround Conductive Primer	SBS-TAF	One or two COLPHENE SP 3.0 or COLPHENE 180 SP 3.5	None	Drainage: SOPRADRAIN ECOVENT 2 bonded with DUOTACK 365, 6-inch spots in 12 x 12-inch grid (1 per 1 ft ²) Overburden: Minimum nominal 12 x 12 x 1-inch concrete pavers in ANSI A118.1 dry set mortar, ¼-inch notched trowel per ANSI A108.5	-252.5
C-69.	Min. 2,500 psi struct. concrete	ASTM D41 or DECTEC TruGround Conductive Primer	COLPHENE SP 3.0 or COLPHENE 180 SP 3.5	None	None	Drainage: SOPRADRAIN ECOVENT 2 bonded with DUOTACK 365, 6-inch spots in 12 x 12-inch grid (1 per 1 ft ²) Overburden: Minimum nominal 12 x 12 x 1.5-inch concrete pavers in ANSI A118.1 dry set mortar, ¼-inch notched trowel per ANSI A108.5	-925.0



TABLE 9D: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED WATERPROOFING COVER

SYSTEM NO.	DECK (4.1.2)	PRIMER	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
			BASE PLY	PLY	CAP PLY		
C-70.	Min. 2,500 psi struct. concrete	ELASTOCOL 500, ELASTOCOL Stick or DECTEC TruGround Conductive Primer	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-295.0
C-71.	Min. 2,500 psi struct. concrete	ASTM D41 or DECTEC TruGround Conductive Primer	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-367.5
C-72.	Min. 2,500 psi struct. concrete	ASTM D41 or DECTEC TruGround Conductive Primer	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-457.5
SELF-ADHERING BASE PLY:							
C-73.	Min. 2,500 psi struct. concrete	ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SBS-SA	(Optional) SBS-SA	SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-67.5
C-74.	Min. 2,500 psi struct. Concrete	ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC	SBS-SA	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-272.5



TABLE 10A: 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 WATERPROOFING
 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			WATERPROOFING (3.1.4)		OVERBURDEN (3.1.5)	MDP (psf)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY(S)	CAP		
CELCORE:									
LWC-1.	Min 22 ga., Type B steel; 5 ft span or structural concrete	Celcore Cellular Concrete, Min. 200 psi, Min. 2-inch top coat. 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 SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0
LWC-2.	Min 22 ga., Type B steel; 5 ft span or structural concrete	Celcore Cellular Concrete, Min. 200 psi, Min. 2-inch top coat. 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 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0
LWC-3.	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. 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 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-60.0
LWC-4.	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. 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 SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-67.5
LWC-5.	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. 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-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-67.5
LWC-6.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Celcore Cellular Concrete, Min. 300 psi, Min. 2-inch top coat. 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 SBS-TAF	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0
LWC-7.	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. 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 SBS-TAF	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0
LWC-8.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Celcore Cellular Concrete, Min. 300 psi, Min. 2-inch top coat. 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 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0



**TABLE 10A: 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 WATERPROOFING**

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			WATERPROOFING (3.1.4)		OVERBURDEN (3.1.5)	MDP (psf)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY(S)	CAP		
LWC-9.	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. 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 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0
CONCRECEL:									
LWC-10.	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. 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 SBS-TAF	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5
LWC-11.	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. 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 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
LWC-12.	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. 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 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
ELASTIZELL:									
LWC-13.	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 SBS-TAF	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-30.0
LWC-14.	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-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-30.0
LWC-15.	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 SBS-TAF	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0
LWC-16.	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-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0



**TABLE 10A: 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 WATERPROOFING**

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			WATERPROOFING (3.1.4)		OVERBURDEN (3.1.5)	MDP (psf)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY(S)	CAP		
LWC-17.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Elastzell 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 SBS-TAF	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0
MEARLCRETE:									
LWC-18.	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 SBS-TAF	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0
LWC-19.	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-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0
LWC-20.	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 SBS-TAF	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5
LWC-21.	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-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-52.5
SIPLAST NVS INSULATING CONCRETE:									
LWC-22.	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-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0
LWC-23.	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-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0
LWC-24.	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-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0
LWC-25.	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 or ELASTOCOL Stick LVOC	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-SA	SBS-SA or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-45.0



TABLE 10A: 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 WATERPROOFING
 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			WATERPROOFING (3.1.4)		OVERBURDEN (3.1.5)	MDP (psf)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY(S)	CAP		
PRE-EXISTENT CELLULAR LWC:									
LWC-26.	Min. 22 ga. Type B steel; 5 ft span or structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. <i>Note: 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 88 lbf when tested per (4.2.2)</i>	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 SBS-TAF	SBS-CA3, SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-60.0
LWC-27.	Min. 22 ga. Type B steel; 5 ft span or structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. <i>Note: 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 110 lbf when tested per (4.2.2)</i>	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 SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0
LWC-28.	Min. 22 ga. Type B steel; 5 ft span or structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. <i>Note: 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 110 lbf when tested per (4.2.2)</i>	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 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0



TABLE 10B: 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 WATERPROOFING

SYSTEM No.	Deck (4.1.2)	THERMAL BARRIER			VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE SHEET			WATERPROOFING (3.1.4)		OVERBURDEN (3.1.5)	MDP (psf)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2.E)			BASE	FASTENER (4.2.2)	SPACING	BASE PLY	CAP		
CELCORE:													
LWC-29.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. 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 SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-60.0
LWC-30.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. 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-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-60.0
LWC-31.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. 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 SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0
LWC-32.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. 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-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0



TABLE 10b: 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 WATERPROOFING													
SYSTEM No.	DECK (4.1.2)	THERMAL BARRIER			VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE SHEET			WATERPROOFING (3.1.4)		OVERBURDEN (3.1.5)	MDP (psf)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2.E)			BASE	FASTENER (4.2.2)	SPACING	BASE PLY	CAP		
LWC-33.	Min. 22 ga. Type B, Grade 33 steel; 6 ft span	Min. 0.625-inch DensDeck Prime	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or 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. 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-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
LWC-34.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat. 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-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
LWC-35.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span	Min. 0.625-inch DensDeck Prime	3.1.1	Prelim. attach	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound.	SOPRAFIX Base 614	SOPREMA #15-EL Fastener or #15 HD Fastener with SOPRAFIX 2-3/8 in. SB Stress Plate or 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	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5



TABLE 10b: 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 WATERPROOFING													
SYSTEM No.	DECK (4.1.2)	THERMAL BARRIER			VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE SHEET			WATERPROOFING (3.1.4)		OVERBURDEN (3.1.5)	MDP (psf) (3.1.5)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2.E)			BASE	FASTENER (4.2.2)	SPACING	BASE PLY	CAP		
CONCRECEL:													
LWC-36.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or 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	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-75.0
LWC-37.	Min. 22 ga., Type B, Grade 33 steel	Min. 5/8-inch DensDeck Prime. Top surface shall be primed with ELASTOCOL 500	SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or 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	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5
LWC-38.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 5/8-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	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	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-82.5



NEMO EVALUATIONS REPORT

Report No.: NER-SOP-001.D

Revision 0: 2025-10-23

Page 61 of 66

SOPREMA, Inc.

FL47886



ISO/IEC 17065

PCA-145

**TABLE 10c: DECK WITH LIGHTWEIGHT CONCRETE – NEW CONSTRUCTION
SYSTEM TYPE F: LWC TO DECK, BONDED WATERPROOFING COVER**

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2b)	PRIMER	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
				BASE PLY	PLY	CAP PLY		
CONCRECEL (FL5584 & FL10500):								
LWC-39.	Min. 22 ga., type BV, Grade 80 steel at max. 5 ft spans; 5/8" puddle welds, 6" o.c.	Concrecel Bonding Agent to deck; Min. 300 psi, min. 2.25-inch thick Concrecel Concrete; treated with Concrecel Curing Compound	(Optional) ASTM D41, ELASTOCOL 500 or ELASTOCOL Stick	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-TAF or SBS-SA	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-60.0
ELASTIZELL (FL4994):								
LWC-40.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans; 5/8" puddle welds or Teks/5 screws, 6" o.c.	Min. 200 psi, min 2-inch thick Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	(Optional) ASTM D41, ELASTOCOL 500 or ELASTOCOL Stick	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3 SBS-TAF or SBS-SA	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-60.0



TABLE 10D: DECK WITH LIGHTWEIGHT CONCRETE – NEW CONSTRUCTION

SYSTEM TYPE F: LWC TO DECK, BONDED WATERPROOFING

REFER TO [TABLE VB-4](#) FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

SYSTEM No.	DECK (4.1.2)	TEMP ROOF / VB	LIGHTWEIGHT CONCRETE (3.1.2d)	PRIMER	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSE)
					BASE PLY	PLY	CAP PLY		
CELCORE (FL2037):									
LWC-41.	Structural concrete	4.3.1b	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 12-inch o.c.	(Optional) SBS-SA or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-60.0
LWC-42.	Structural concrete	4.3.1b	Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete; treated with Celcore PVA Curing Compound	ELASTOCOL 500	COLVENT Flam 180 TG, torch applied	(Optional) COLPHENE Flam 180, torch applied	COLPHENE Flam 180 GR, torch applied	<u>Wausau Lok-Down, Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. Lok-Down base or Terra-Stand base set in DUOTACK 365 (full-coverage). Terra-Stand core and top components (if used) set in DUOTACK 365 (full-coverage).	-97.5
LWC-43.	Structural concrete	None	Min. 330 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c. or full-coverage	(Optional) COLPHENE Flam 180, torch applied	COLPHENE Flam 180 GR, torch applied	<u>Wausau Lok-Down, Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. Lok-Down base or Terra-Stand base set in DUOTACK 365 (full-coverage). Terra-Stand core and top components (if used) set in DUOTACK 365 (full-coverage).	-97.5
LWC-44.	Structural concrete (primed)	SBS-TAF (sanded top)	Min. 330 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c. or full-coverage	(Optional) COLPHENE Flam 180, torch applied	COLPHENE Flam 180 GR, torch applied	<u>Wausau Lok-Down, Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. Lok-Down base or Terra-Stand base set in DUOTACK 365 (full-coverage). Terra-Stand core and top components (if used) set in DUOTACK 365 (full-coverage).	-97.5
LWC-45.	Structural concrete	None	Min. 330 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-180.0
LWC-46.	Structural concrete (primed)	SBS-TAF (sanded top)	Min. 330 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-180.0



**TABLE 10D: DECK WITH LIGHTWEIGHT CONCRETE – NEW CONSTRUCTION
 SYSTEM TYPE F: LWC TO DECK, BONDED WATERPROOFING**

REFER TO [TABLE VB-4](#) FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

SYSTEM No.	DECK (4.1.2)	TEMP ROOF / VB	LIGHTWEIGHT CONCRETE (3.1.2a)	PRIMER	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
					BASE PLY	PLY	CAP PLY		
LWC-47.	Structural concrete	4.3.1b	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	ASTM D41, ELASTOCOL 500, ELASTOCOL Stick Compound	SBS-TAP	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-262.5
LWC-48.	Structural concrete	4.3.1b	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	ASTM D41	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-262.5
LWC-49.	Structural concrete	4.3.1b	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	ASTM D41	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-360.0
LWC-50.	Structural concrete	None	Min. 330 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-445.0
LWC-51.	Structural concrete (primed)	SBS-TAF (sanded top)	Min. 330 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-445.0
CONCRECEL (FL5584 & FL10500):									
LWC-52.	Structural concrete	(Optional) Asphaltic plies with asphalt flood coat	Concrecel Bonding Agent followed by Min. 300 psi, min. 2-inch thick Concrecel Concrete; treated with Concrecel Curing Compound	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 12-inch o.c.	(Optional) SBS-SA or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-60.0
LWC-53.	Structural concrete	Asphaltic plies with asphalt flood coat	Concrecel Bonding Agent followed by Min. 300 psi, min. 2-inch thick Concrecel Concrete; treated with Concrecel Curing Compound	ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-TAP	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-202.5



TABLE 10D: DECK WITH LIGHTWEIGHT CONCRETE – NEW CONSTRUCTION

SYSTEM TYPE F: LWC TO DECK, BONDED WATERPROOFING

REFER TO [TABLE VB-4](#) FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

SYSTEM No.	DECK (4.1.2)	TEMP ROOF / VB	LIGHTWEIGHT CONCRETE (3.1.2o)	PRIMER	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
					BASE PLY	PLY	CAP PLY		
LWC-54.	Structural concrete	None	Min. 300 psi, min. 2-inch thick Concrecel Concrete; treated with Concrecel Curing Compound	ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-TAP	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-240.0
ELASTIZELL (FL4994):									
LWC-55.	Structural concrete	4.3.1b	Min. 300 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete.	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 12-inch o.c.	(Optional) SBS-SA or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-60.0
LWC-56.	Structural concrete	4.3.1b	Min. 300 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete.	ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-TAP	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-240.0
LWC-57.	Structural concrete	4.3.1b	Min. 450 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete; no EPS hole board.	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-TAP	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-302.5
PRE-EXISTENT CELLULAR LIGHTWEIGHT CONCRETE:									
LWC-58.	Structural concrete	4.3.1b	Min. 350 psi, Min. 2-inch top coat cellular lightweight concrete; Note: To qualify the LWIC under this assembly, a 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 4.2.2a .	None	SBS-CA2, 12-inch o.c.	(Optional) SBS-SA or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-60.0



TABLE 10D: DECK WITH LIGHTWEIGHT CONCRETE – NEW CONSTRUCTION

SYSTEM TYPE F: LWC TO DECK, BONDED WATERPROOFING

REFER TO [TABLE VB-4](#) FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

SYSTEM No.	DECK (4.1.2)	TEMP ROOF / VB	LIGHTWEIGHT CONCRETE (3.1.2b)	PRIMER	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (PSF)
					BASE PLY	PLY	CAP PLY		
LWC-59.	Structural concrete	None	Min. 350 psi, Min. 2-inch top coat cellular lightweight concrete; Note: To qualify the LWIC under this assembly, a 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 4.2.2a .	None	SBS-CA2, 6-inch o.c. or full-coverage	(Optional) COLPHENE Flam 180, torch applied	COLPHENE Flam 180 GR, torch applied	Wausau Lok-Down , Hidden Lok-Down , Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. Lok-Down base or Terra-Stand base set in DUOTACK 365 (full-coverage). Terra-Stand core and top components (if used) set in DUOTACK 365 (full-coverage).	-97.5
LWC-60.	Structural concrete (primed)	SBS-TAF (sanded top)	Min. 350 psi, Min. 2-inch top coat cellular lightweight concrete; Note: To qualify the LWIC under this assembly, a 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 4.2.2a .	None	SBS-CA2, 6-inch o.c. or full-coverage	(Optional) COLPHENE Flam 180, torch applied	COLPHENE Flam 180 GR, torch applied	Wausau Lok-Down , Hidden Lok-Down , Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. Lok-Down base or Terra-Stand base set in DUOTACK 365 (full-coverage). Terra-Stand core and top components (if used) set in DUOTACK 365 (full-coverage).	-97.5
LWC-61.	Structural concrete	None	Min. 350 psi, Min. 2-inch top coat cellular lightweight concrete; Note: To qualify the LWIC under this assembly, a 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 4.2.2a .	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-180.0
LWC-62.	Structural concrete (primed)	SBS-TAF (sanded top)	Min. 350 psi, Min. 2-inch top coat cellular lightweight concrete; Note: To qualify the LWIC under this assembly, a 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 4.2.2a .	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Min. nominal 12x12-inch exterior grade ceramic or porcelain plaza deck tiles or minimum nominal 12 x 12 x 1-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-180.0
LWC-63.	Structural concrete	None	Min. 350 psi, Min. 2-inch top coat cellular lightweight concrete; Note: To qualify the LWIC under this assembly, a 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 4.2.2a .	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	Wausau Hidden Lok-Down , Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base.	-180.0



TABLE 10D: DECK WITH LIGHTWEIGHT CONCRETE – NEW CONSTRUCTION

SYSTEM TYPE F: LWC TO DECK, BONDED WATERPROOFING

REFER TO [TABLE VB-4](#) FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

SYSTEM No.	DECK (4.1.2)	TEMP ROOF / VB	LIGHTWEIGHT CONCRETE (3.1.2o)	PRIMER	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (psf)
					BASE PLY	PLY	CAP PLY		
LWC-64.	Structural concrete (ASTM D41 primed)	SBS-TAF (sanded top surface)	Min. 350 psi, Min. 2-inch top coat cellular lightweight concrete; Note: To qualify the LWIC under this assembly, a 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 4.2.2a .	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	<u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. requirements to the satisfaction of the Authority Having Jurisdiction. The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base.	-180.0

TABLE 11A: RECOVER APPLICATIONS

SYSTEM TYPE F: NON-INSULATED, BONDED WATERPROOFING

^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	WATERPROOFING (3.1.4)			OVERBURDEN (3.1.5)	MDP (psf) ^A
			BASE PLY	PLY	CAP PLY		
R-1.	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 or SBS-TAF	SBS-CA3 or SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-247.5
R-2.	Existing, fully-adhered, smooth- or granule-surface, SBS modified bitumen roof system	None	None	None	SBS-CA2, 6-inch o.c. or SBS-CA3	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-247.5
R-3.	Existing, fully-adhered, smooth-surface, SBS modified bitumen roof system	(Optional) ELASTOCOL 500	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-367.5
R-4.	Existing, fully adhered, granule-surface, SBS modified bitumen	ELASTOCOL 500	None	None	Colvent Flam 180 FR GR, torch applied	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-572.5