NEMO EVALUATION REPORT

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SUBJECT:	**COLPHENE® H and H-EV in Protected Membrane Waterproofing Applications**
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 International Building Code 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
NEMO CATEGORY:	Waterproofing
FBC CATEGORY:	Roofing
FBC SUB-CATEGORY:	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® H and H-EV Waterproofing 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.

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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, Section 4.6
	1505.1	Fire classification	UL 790
	1507.11.2	Material standard	ASTM D6163, D6164
2024 International Building Code	104.2.3.6.1	Evaluation Reports	ISO/IEC 17065
	1504.4.1	Wind resistance	FM 4474 or UL1897
	1504.5	Design Standard (ballasted)	ANSI/SPRI RP-4
	1504.7	Impact resistance	FM 4470, Section 4.6
	1505.1	Fire Classification	UL 790
	1507.11.2	Material standard	ASTM D6163, D6164
2023 Florida Building Code, 8th Edition	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.4	Design Standard (ballasted)	ANSI/SPRI RP-4
	1504.7	Impact resistance	FM 4470, Section 4.6
	1505.1, 1516.1	Fire Classification	UL 790
	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	Material Standard	CGSB 37.50-M89
2022 California Building Code and	Div. 5, Section 98.0501	Evaluation Reports	
2023 City of Los Angeles 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, Section 4.6
	1505.1	Fire Classification	UL 790
	1507.11.2	Material standard	ASTM D6163, D6164

2. PRODUCTS:

TABLE 1A: EVALUATED SOPREMA COMPONENTS
(NEMO Certified. Consult Directory of Certified Products for production location(s))

TYPE	PRODUCT	MATERIAL STANDARD
HOT RUBBERIZED ASPHALT:	COLPHENE H	CGSB 37.50-M89
	COLPHENE H-EV	CGSB 37.50-M89
REINFORCEMENT:	SOPRAFLASH R	N/A
MODIFIED BITUMEN, SMOOTH:	COLPHENE Sanded	ASTM D6163
	COLPHENE 180 Sanded	ASTM D6164
MODIFIED BITUMEN, GRANULE:	COLPHENE 180 FR GR	ASTM D6164

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TABLE 1B: EVALUATED SOPREMA ACCESSORIES *(Contact contact@nemocert.com for production location(s) of non-Certified products)*		
TYPE	PRODUCT	MATERIAL STANDARD
ADHESIVES:	DUOTACK 365	N/A
INSULATION:	SOPRA-XPS	ASTM C578
DRAINAGE MEDIA:	SOPRADRAIN ECO-2	N/A
PRIMER:	ELASTOCOL 350	N/A
	ELASTOCOL 500	ASTM D41

TABLE 2: COMPONENTS BY OTHERS (4.1.4)				
TYPE	BY	ACCEPTABLE ALTERNATE	FBC	NOA[1]
INSULATION:	Dupont de Nemours	Styrofoam High Load 60	FL38732	23-1121.01
		Styrofoam Plazamate		
	USG Corporation	SECUROCK Cement Board	FL4264	21-0923.05
OVERBURDEN:	Greenrise Technologies	GRT Pedestal / Paver Systems	FL41859 FL46910	N/A
	Wausau Tile, Inc.	Wausau Pedestal / Paver Systems	FL47030 FL47053 FL47054	23-0201.04

3. INSTALLATION:

3.1 **COLPHENE® H and H-EV Waterproofing Systems** shall be installed in accordance with **SOPREMA, Inc.** published installation instructions, subject to the Limitations of Use noted herein.

3.1.1 Insulation Adhesives:

(a) Unless otherwise noted, insulation adhesive application rate is continuous ribbons, maximum 12-inch o.c. Ribbons shall be applied and insulation boards shall be set in accordance with the manufacturer's published instructions. When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, boards shall be staggered from layer-to-layer. The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing. When applied to profiled steel roof deck, ribbons shall be applied to the top-flange so as to establish positive-contact with the overlying insulation board.

(b) Unless otherwise noted, all adhered insulations are flat-stock or taper board of the minimum thickness noted.

(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.

3.1.2 Waterproofing Components:

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

WATERPROOFING APPLICATIONS	
PRODUCT	RATE
COLPHENE H	Base coat of COLPHENE H applied at 60 lbs/sq. to minimum 90-mils followed by SOPRAFLASH® R into the hot base coat, and top coat of COLPHENE H applied at 90 lbs/sq. to minimum 125-mils.
COLPHENE H-EV	Base coat of COLPHENE H-EV applied at 60 lbs/sq. to minimum 90-mils followed by SOPRAFLASH® R into the hot base coat, and top coat of COLPHENE H-EV applied at 90 lbs/sq. to minimum 125-mils.

[1] *Refer to NOA if listed version was superseded to ensure use of latest version.*

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3.1.3 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 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.

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4.2 **Jurisdiction Specific:**

	IBC, CBC, FBC Non-HVHZ	FBC HVHZ
4.2.1	This NER does not include evaluation of roof edge termination. Refer to **IBC 1504.6 or FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.	This NER does not include evaluation of roof edge termination. Refer to **RAS 111** for requirements and limitations regarding edge securement for low-slope roofs.
4.2.2	Refer to **IBC 1512 or FBC 1511** for requirements and limitations regarding recover installations.	Refer to **FBC HVHZ 1521** for requirements and limitations regarding recover installations.
	(a) RESERVED	RESERVED
	(b) For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **ANSI/SPRI IA-1**, **FM Loss Prevention Data Sheet 1-52** or **TAS 124** shall be conducted on mock-ups of the proposed interface.	For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **TAS 124** shall be conducted on mock-ups of the proposed interface.
	(c) RESERVED	RESERVED
4.2.3	Wind Load Resistance:	
	(a) Refer to Section 4.3 for a tabulated summary of assembly listings and maximum allowable design pressures.	
	(b) "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **IBC / FBC 1609** for determination of design wind loads.	"MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **TAS 114** has already been applied). Refer to **FBC HVHZ 1620** or **RAS 128** for determination of design wind loads.
	(c) The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **IBC / FBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are **ANSI/SPRI WD1**, **FM Loss Prevention Data Sheet 1-29**, **RAS 117** and **RAS 137**. Assemblies marked with an asterisk* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29** for Zone 2/3 enhancements.	Assemblies having a MDP < 45.0 psf are not permitted in FBC HVHZ jurisdictions. The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC HVHZ 1620** or **RAS 128**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with **RAS 117** or **RAS 137**.
	(d) For fully-adhered installations, the maximum design pressure for the selected assembly shall meet or exceed the critical design pressure. Rational analysis is not permitted.	For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.
	(e) For protected membrane waterproofing designs involving ballast, the ballast design shall comply with ANSI/SPRI RP-4.	Ballasted systems are not permitted in FBC HVHZ jurisdictions.

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4.3 System Listings and Allowable Design Pressures: See Section 4.2.3

TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED WATERPROOFING, BONDED INSULATION(S)

Sys No.	Deck (4.1.2)	Primer	Waterproofing (3.1.2)	Protection	Insulation		Overburden (3.1.3)	MDP (psf)
					Type	Attach (3.1.1)		
C-1.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	Min. 1.5-inch SOPRA-XPS or Dupont Styrofoam High Load 60 or PlazaMate	DUOTACK 365, 12-inch o.c.	Drainage board and structural concrete topping slab	N/A
C-2.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	Min. 1.5-inch SOPRA-XPS (min. 60-psi)	DUOTACK 365, 12-inch o.c.	**Wausau 24x24-inch Terra-Grid System:** ✓ installed in accordance with Wausau Tile requirements with Wausau Terrazzo Tile / Thin Pavers, ✓ Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 1.7 fl. oz. per base, ✓ Wausau Terrazzo Tile / Thin Paver is adhered to the Terra-Grid Fiber Glass Grate using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied in ¼-inch beads, 3-inch o.c.	-230.0
C-3.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	Min. 1.5-inch SOPRA-XPS (min. 60-psi)	DUOTACK 365, 12-inch o.c.	**Wausau 24x24-inch Hidden Lok-Down System:** ✓ installed in accordance with Wausau Tile requirements with Wausau Concrete Pavers or Wausau IPE Pavers, ✓ Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 1.7 fl. oz. per base.	-230.0
C-4.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	Min. 1.5-inch SOPRA-XPS (min. 60-psi) or Dupont Styrofoam High Load 60 or PlazaMate (Optional) Min. 0.5-inch SECUROCK Cement Board	DUOTACK 365, 12-inch o.c.	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 min. 12x12-inch concrete pavers embedded into dry-set Portland cement mortar (ANSI A118.1) in accordance with ANSI A108.5.	-255.0
C-5.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	Min. 1.5-inch Dupont Styrofoam High Load 60 or PlazaMate	DUOTACK 365, 12-inch o.c.	**Wausau 24x24-inch Terra-Grid System:** ✓ installed in accordance with Wausau Tile requirements with Wausau Terrazzo Tile / Thin Pavers, ✓ Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base, ✓ Wausau Terrazzo Tile / Thin Paver is adhered to the Terra-Grid Fiber Glass Grate using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied in ¼-inch beads, 3-inch o.c.	-255.0
C-6.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	Min. 1.5-inch Dupont Styrofoam High Load 60 or PlazaMate	DUOTACK 365, 12-inch o.c.	**Wausau 24x24-inch Hidden Lok-Down System:** ✓ installed in accordance with Wausau Tile requirements with Wausau Concrete Pavers or Wausau IPE Pavers, ✓ Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base.	-255.0

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TABLE 3B: 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 (3.1.2)	Protection	Drainage	Overburden (3.1.3)	MDP (psf)
C-7.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	None	Drainage board and structural concrete topping slab	N/A
C-8.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	None	**Wausau 24x24-inch Terra-Grid System:** ✓ installed in accordance with Wausau Tile requirements with Wausau Terrazzo Tile / Thin Pavers, ✓ Terra-Stand base is fully adhered using DUOTACK 365 (full-coverage), ✓ Wausau Terrazzo Tile / Thin Paver is adhered to the Terra-Grid Fiber Glass Grate using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied in ¼-inch beads, 3-inch o.c.	-105.0
C-9.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	None	**Wausau 24x24-inch Hidden Lok-Down System:** ✓ installed in accordance with Wausau Tile requirements with Wausau Concrete Pavers or Wausau IPE Pavers, ✓ Terra-Stand base is fully adhered using DUOTACK 365 (full-coverage).	-105.0
C-10.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded or COLPHENE 180 Sanded into hot top coat	None	**Greenrise Technologies 24x24-inch GRT Pedestal / Paver System:** ✓ installed in accordance with Greenrise Technologies 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.	-137.5
C-11.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE 180 FR GR into hot top coat	None	**Wausau 24x24-inch Terra-Grid System:** ✓ installed in accordance with Wausau Tile requirements with Wausau Terrazzo Tile / Thin Pavers, ✓ Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base, ✓ Wausau Terrazzo Tile / Thin Paver is adhered to the Terra-Grid Fiber Glass Grate using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied in ¼-inch beads, 3-inch o.c.	-240.0
C-12.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE 180 FR GR into hot top coat	None	**Wausau 24x24-inch Hidden Lok-Down System:** ✓ installed in accordance with Wausau Tile requirements with Wausau Concrete Pavers or Wausau IPE Pavers, ✓ Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base.	-240.0
C-13.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	Sopradrain Eco-2 bonded with DUOTACK 365, 6-inch spots in 12 x 12-inch grid (1 per 1 ft^2)	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction	-252.5
C-14.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	Sopradrain Eco-2 bonded with DUOTACK 365, 6-inch spots in 12 x 12-inch grid (1 per 1 ft^2)	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

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TABLE 3B: 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 (3.1.2)**	**Protection**	**Drainage**	**Overburden (3.1.3)**	**MDP (psf)**
C-15.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded or COLPHENE 180 Sanded into hot top coat	None	**Wausau 24x24-inch Terra-Grid System:** ✓ installed in accordance with Wausau Tile requirements with Wausau Terrazzo Tile / Thin Pavers, ✓ Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 1.7 fl. oz. per base, ✓ Wausau Terrazzo Tile / Thin Paver is adhered to the Terra-Grid Fiber Glass Grate using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied in ¼-inch beads, 3-inch o.c.	-271.5
C-16.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded or COLPHENE 180 Sanded into hot top coat	None	**Wausau 24x24-inch Hidden Lok-Down System:** ✓ installed in accordance with Wausau Tile requirements with Wausau Concrete Pavers or Wausau IPE Pavers, ✓ Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 1.7 fl. oz. per base.	-271.5
C-17.	Structural concrete	ELASTOCOL 350 or ELASTOCOL 500	COLPHENE H system or COLPHENE H-EV system	COLPHENE Sanded, COLPHENE 180 Sanded or COLPHENE 180 FR GR into hot top coat	None	As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or 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	-515.0

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