



# NEMO EVALUATIONS REPORT

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SOPREMA, Inc.  
FL47474-R2

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## NEMO EVALUATION REPORT



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

**SUBJECT:** ALSAN TRAFIK 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 TDI [Third-Party Evaluation Report](#) acceptance  
2026 Florida Building Code, 9<sup>th</sup> Edition  
2023 Florida Building Code, 8<sup>th</sup> Edition  
2025 California Building Code  
2023 City of Los Angeles Building Code [Section 98.0501](#), Product Approval, Alternate Materials, Systems,  
2023 County of Los Angeles Building Code 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:** **ALSAN TRAFIK 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/or 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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ISO/IEC 17065



PCA-145



ISO/IEC 17020



AA-779



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ISO/IEC 17065

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## 1. CODES, PROPERTIES AND STANDARDS:

| CODE                                                                                                                       | SECTION                                 | PROPERTY                    | STANDARD                    |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------|-----------------------------|
| 2024 International Building Code                                                                                           | 104.2.3                                 | Alternative materials       |                             |
|                                                                                                                            | 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           |
| 2026 Florida Building Code, 9 <sup>th</sup> Edition                                                                        | 104.11                                  | Alternative materials       |                             |
|                                                                                                                            | 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 |
| 2023 Florida Building Code, 8 <sup>th</sup> Edition                                                                        | TAS 110                                 | Material Standard           | CGSB 37.50-M89              |
|                                                                                                                            | 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 |
| 2025 California Building Code and<br>2023 City of Los Angeles Building Code<br>2023 County of Los Angeles Building<br>Code | TAS 110                                 | Material Standard           | CGSB 37.50-M89              |
|                                                                                                                            | <a href="#">Div. 5, Section 98.0501</a> | Evaluation Reports          |                             |
|                                                                                                                            | 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           |

## 2. PRODUCTS:

| TABLE 1A: EVALUATED SOPREMA COMPONENTS<br>(NEMO Certified. Consult <a href="#">Directory of Certified Products</a> for production location(s)) |                                    |             |                   |       |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------|-------------------|-------|
| TYPE                                                                                                                                           | PRODUCT                            |             | MATERIAL STANDARD |       |
|                                                                                                                                                | NAME                               | REFERENCE   | TYPE              | GRADE |
| LIQUID APPLIED ROOF<br>COMPONENTS:                                                                                                             | ALSAN TRAFIK RS 730 Field or Flash | M-D 13-1362 | 'flexible'        | N/A   |
|                                                                                                                                                | ALSAN RS 230 Field or Flash        |             |                   |       |
|                                                                                                                                                | ALSAN RS 260 LO Field or Flash     |             |                   |       |
|                                                                                                                                                | ALSAN RS FLEECE                    |             |                   |       |
| SMOOTH SBS MEMBRANES:                                                                                                                          | COLPHENE SP 3.0                    | ASTM D6163  | I                 | S     |
|                                                                                                                                                | COLPHENE Sanded                    | ASTM D6163  | I                 | S     |
|                                                                                                                                                | ELASTOPHENE WCB FLAM               | ASTM D6163  | I                 | S     |
|                                                                                                                                                | COLPHENE 180 Sanded                | ASTM D6164  | I                 | S     |
|                                                                                                                                                | COLPHENE 180 FR GR                 | ASTM D6164  | I                 | G     |
|                                                                                                                                                | COLPHENE FLAM 180                  | ASTM D6164  | I                 | S     |
|                                                                                                                                                | COLPHENE Stick                     | ASTM D6164  | I                 | S     |
|                                                                                                                                                | COLPHENE Flam 180 FR GR            | ASTM D6164  | I                 | G     |

| TABLE 1A: EVALUATED SOPREMA COMPONENTS                                                               |                                                             |                   |      |       |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------|------|-------|
| (NEMO Certified. Consult <a href="#">Directory of Certified Products</a> for production location(s)) |                                                             |                   |      |       |
| TYPE                                                                                                 | PRODUCT                                                     | MATERIAL STANDARD |      |       |
|                                                                                                      | NAME                                                        | REFERENCE         | TYPE | GRADE |
| SURFACING:                                                                                           | ALSAN TRAFIK RS 733 Self-Leveling Mortar, mixture of:       | VPA 25-0001       |      |       |
|                                                                                                      | ALSAN TRAFIK RS 733, Part A                                 |                   |      |       |
|                                                                                                      | ALSAN TRAFIK RS 733, Part B                                 |                   |      |       |
|                                                                                                      | ALSAN TRAFIK RS 781 CL                                      | VPA 25-0001       |      |       |
|                                                                                                      | ALSAN TRAFIK RS 790 HT, un-pigmented base resin mixed with: | VPA 25-0005       |      |       |
|                                                                                                      | ALSAN RS Color Additive                                     |                   |      |       |
|                                                                                                      | ALSAN TRAFIK RS 789 LT, un-pigmented base resin mixed with: | VPA 23-0004       |      |       |
|                                                                                                      | ALSAN RS Color Additive                                     |                   |      |       |

| TABLE 1B: EVALUATED SOPREMA ACCESSORIES                                                                                       |                                                             |                   |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------|
| (Contact <a href="mailto:contact@nemocert.com">contact@nemocert.com</a> for production location(s) of non-Certified products) |                                                             |                   |
| TYPE                                                                                                                          | PRODUCT                                                     | MATERIAL STANDARD |
| LIQUID APPLIED ROOF COMPONENTS:                                                                                               | ALSAN TRAFIK PU 211                                         | M-D 13-1362       |
|                                                                                                                               | ALSAN TRAFIK PU 411                                         | M-D 13-1362       |
| SMOOTH SBS MEMBRANES:                                                                                                         | COLPHENE 180 SP 3.5                                         | ASTM D6164        |
|                                                                                                                               | COLPHENE 180 PS                                             | ASTM D6164        |
|                                                                                                                               | COLPHENE 250 FR GR                                          | ASTM D6164        |
|                                                                                                                               | COLPHENE Flam 180 GR                                        | ASTM D6164        |
|                                                                                                                               | COLPHENE Flam 250 FR GR                                     | ASTM D6164        |
|                                                                                                                               | COLPLY EF Adhesive                                          | ASTM D3019        |
| ADHESIVES:                                                                                                                    | DUOTACK 365                                                 | N/A               |
|                                                                                                                               |                                                             |                   |
| INSULATION:                                                                                                                   | SOPRABOARD                                                  | N/A               |
|                                                                                                                               | SOPRABOARD HS                                               | N/A               |
|                                                                                                                               | SOPRASMART Board 180                                        | N/A               |
|                                                                                                                               | SOPRASMART Board 180 Sanded                                 | N/A               |
|                                                                                                                               | SOPRA-XPS                                                   | ASTM C578         |
| DRAINAGE MEDIA:                                                                                                               | SOPRADRAIN ECOVENT 2                                        | N/A               |
| PRIMERS:                                                                                                                      | ALSAN RS 222 Primer                                         | N/A               |
|                                                                                                                               | ALSAN RS 276 Primer                                         | N/A               |
|                                                                                                                               | ALSAN RS LO Primer                                          | N/A               |
|                                                                                                                               | ELASTOCOL 500                                               | ASTM D41          |
|                                                                                                                               | ELASTOCOL STICK                                             | N/A               |
|                                                                                                                               | ELASTOCOL STICK ZERO                                        | N/A               |
|                                                                                                                               | ELASTOCOL STICK LVOC                                        | N/A               |
| SURFACING:                                                                                                                    | ALSAN TRAFIK RS 263 LO Self-Leveling Mortar, mixture of:    | N/A               |
|                                                                                                                               | ALSAN RS 240 LO                                             |                   |
|                                                                                                                               | ALSAN RS 223 Mixing Powder                                  |                   |
|                                                                                                                               | ALSAN TRAFIK RS 787 CF, un-pigmented base resin mixed with: | N/A               |
|                                                                                                                               | ALSAN RS Color Additive                                     |                   |
|                                                                                                                               | ALSAN RS Color Additive                                     | N/A               |
| ADDITIVE:                                                                                                                     | ALSAN RS Color Additive                                     | N/A               |

| TABLE 2: ACCESSORY COMPONENTS (4.1.5)                                                                   |                                   |                                            |                               |            |
|---------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------|-------------------------------|------------|
| (Refer to current <a href="#">NOA</a> if listed version was superseded to ensure use of latest version) |                                   |                                            |                               |            |
| TYPE                                                                                                    | SOPREMA PRODUCT                   | ACCEPTABLE ALTERNATE                       | FBC                           | NOA        |
| INSULATION:                                                                                             | SOPRA-ISO s                       | Derbiboard                                 | FL17989                       | 24-1120.02 |
|                                                                                                         |                                   | ACFoam II                                  |                               |            |
|                                                                                                         | SOPRA-ISO+s                       | Derbiboard CA                              |                               |            |
|                                                                                                         |                                   | ACFoam III                                 |                               |            |
|                                                                                                         | SOPRA-ISOr                        | Derbiboard H                               | FL5968                        | 24-1021.04 |
|                                                                                                         |                                   | H-Shield                                   |                               |            |
|                                                                                                         | SOPRA-ISO+r                       | H-Shield CG                                |                               |            |
|                                                                                                         | N/A                               | Styrofoam High Load 60                     | FL38732                       | 23-1121.01 |
|                                                                                                         |                                   | Styrofoam Plazamate                        |                               |            |
|                                                                                                         | N/A                               | DensDeck Prime                             | FL1250                        | 22-1223.04 |
|                                                                                                         | N/A                               | DEXcell Cement Roof Board                  | FL1840                        | 25-0722.11 |
|                                                                                                         |                                   | DEXcell FA Glass Mat Roof Board            |                               |            |
|                                                                                                         | N/A                               | SECUROCK Cement Roof Board                 | FL4264                        | 25-1017.02 |
|                                                                                                         |                                   | SECUROCK Gypsum-Fiber Roof Board           |                               |            |
| MECHANICAL FASTENERS:                                                                                   | N/A                               | Celcore MF Cellular Concrete               | FL4264                        | 24-0906.02 |
|                                                                                                         | N/A                               | Concrecel Concrete                         | FL5584                        | 21-1229.06 |
|                                                                                                         | N/A                               | Elastizell Lightweight Insulating Concrete | FL4994                        | 23-0817.05 |
| PRIMERS:                                                                                                | SOPREMA #14 MP Fastener           | Trufast #14 HD Fastener                    | FL4500                        | 25-0129.08 |
|                                                                                                         | SOPREMA 3" Metal Insulation Plate | Trufast 3" Metal Insulation Plate          |                               |            |
|                                                                                                         | N/A                               | Vaportight Coat SG3 Primer ("AVC-SG3")     | N/A                           | N/A        |
| OVERBURDEN:                                                                                             | N/A                               | Detec TruGround Conductive Primer          | N/A                           | N/A        |
|                                                                                                         | N/A                               | Iso-Flex Primer Epoxy SF                   | N/A                           | 26-0123.01 |
|                                                                                                         | N/A                               | GRT Pedestal / Paver Systems               | FL41859<br>FL46910            | 23-1102.04 |
|                                                                                                         | N/A                               | Wausau Pedestal / Paver Systems            | FL47030<br>FL47053<br>FL47054 | 23-0201.04 |



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## 3. INSTALLATION:

3.1 **ALSAN TRAFIK Waterproofing 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                                                                |
| WOOD,<br>ENGINEERED<br>SHEATHING OR<br>PLANK | SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate, SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate                                                                                                                                                                            | Min. 0.75-inch penetration (engineered sheathing) or min. 1-inch embedment (plank) |
|                                              | ACE #12 or ACE #15 with ACE 3" BE Insulation Plate or ACE 3" WW Insulation Plate ( <i>with polyisocyanurate insulation, SOPRABOARD, SOPRABOARD HS, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board</i> ) |                                                                                    |
|                                              | OMG #14 Roofgrip with Flat Bottom Plate (Accutrac) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate                                                                                                                                                                                       |                                                                                    |
| STRUCTURAL<br>CONCRETE                       | SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate                                                                                                                                                                          | Min. 1-inch embedment<br><br>FBC HVHZ: Min. 1.25-inch embedment                    |
|                                              | ACE #15 with ACE 3" BE Insulation Plate or ACE 3" WW Insulation Plate ( <i>with polyisocyanurate insulation, SOPRABOARD, SOPRABOARD HS, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board</i> )            |                                                                                    |
|                                              | Trufast 1/4" Concrete Spike with Trufast 3" Metal Insulation Plate                                                                                                                                                                                                                                  |                                                                                    |
|                                              | OMG #14 Roofgrip with Recessed or Flat Bottom Plate (Accutrac) or OMG #14 Heavy Duty or CD-10 with 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 and for System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation. The separator component shall be documented as meeting IBC, 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.
- (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 Type 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.



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

| TABLE 4A: INSULATION ATTACHMENT PATTERNS — 4x8 FT BOARDS |                                          |                                          |                                         |
|----------------------------------------------------------|------------------------------------------|------------------------------------------|-----------------------------------------|
| 1 per 4.0 ft <sup>2</sup> (4 per board)                  | 1 per 2.7 ft <sup>2</sup> (6 per board)  | 1 per 2.0 ft <sup>2</sup> (8 per board)  | 1 per 1.8 ft <sup>2</sup> (9 per board) |
|                                                          |                                          |                                          |                                         |
| 1 per 1.6 ft <sup>2</sup> (10 per board)                 | 1 per 1.3 ft <sup>2</sup> (12 per board) | 1 per 1.0 ft <sup>2</sup> (16 per board) |                                         |
|                                                          |                                          |                                          |                                         |

| TABLE 4B: INSULATION ATTACHMENT PATTERNS — 4x8 FT BOARDS |                                          |                                          |                                          |
|----------------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| 1 per 4.0 ft <sup>2</sup> (8 per board)                  | 1 per 2.7 ft <sup>2</sup> (12 per board) | 1 per 2.0 ft <sup>2</sup> (16 per board) | 1 per 1.8 ft <sup>2</sup> (18 per board) |
|                                                          |                                          |                                          |                                          |
| 1 per 1.6 ft <sup>2</sup> (20 per board)                 | 1 per 1.3 ft <sup>2</sup> (24 per board) | 1 per 1.0 ft <sup>2</sup> (32 per board) |                                          |
|                                                          |                                          |                                          |                                          |

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- (f) In addition to Table 2, the following products are interchangeable within the scope of this NER:

| TABLE 4C: ACCEPTABLE ALTERNATES |                |                            |
|---------------------------------|----------------|----------------------------|
| TYPE                            | LISTED PRODUCT | ALTERNATE PRODUCT          |
| ROOFING INSULATION:             | SOPRA-ISO s    | Derbiboard or ACFoam II    |
|                                 | SOPRA-ISO+s    | Derbiboard CA or ACFoam II |
|                                 | SOPRA-ISOr     | Derbiboard H or H-Shield   |
|                                 | SOPRA-ISO+r    | H-Shield CG                |

### 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. 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.

| TABLE 5: INSULATION ADHESIVE REFERENCES |           |                                                        |
|-----------------------------------------|-----------|--------------------------------------------------------|
| ADHESIVE                                | REFERENCE | MINIMUM RATE                                           |
| DUOTACK 365                             | N/A       | Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c. |

- (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.

### 3.1.4 Waterproofing and Surfacing Components:

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

| TABLE 6A: ALSAN TRAFIK RS 730 WATERPROOFING APPLICATIONS                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRODUCT                                                                                                                                                                                                                                                                                                                                                                                                                         | RATE                                                                                                                                                           |
| ALSAN RS 222 Primer ("RS 222")                                                                                                                                                                                                                                                                                                                                                                                                  | 1 gal/square                                                                                                                                                   |
| ALSAN RS 276 Primer ("RS 276")                                                                                                                                                                                                                                                                                                                                                                                                  | 1 gal/square                                                                                                                                                   |
| ALSAN RS LO Primer ("RS LO")                                                                                                                                                                                                                                                                                                                                                                                                    | 0.5 gal/square                                                                                                                                                 |
| AQUAFIN VAPORTIGHT COAT-SG3 ("AVC-SG3")                                                                                                                                                                                                                                                                                                                                                                                         | Refer to AQUAFIN, Inc. published requirements.                                                                                                                 |
| ALSAN TRAFIK RS 730 system                                                                                                                                                                                                                                                                                                                                                                                                      | Base coat of ALSAN TRAFIK RS 730 applied at 3.9 gal/sq. followed by ALSAN RS Fleece into the wet base coat, and top coat of ALSAN TRAFIK RS 730 at 1.9 gal/sq. |
| ALSAN RS 230 system*                                                                                                                                                                                                                                                                                                                                                                                                            | 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.               |
| ALSAN RS 260 system*                                                                                                                                                                                                                                                                                                                                                                                                            | Base coat of ALSAN RS 260 applied at 3.9 gal/sq. followed by ALSAN RS Fleece into the wet base coat, and top coat of ALSAN RS 260 at 1.9 gal/sq.               |
| ALSAN TRAFIK RS 733 Self-Leveling Mortar or ALSAN TRAFIK RS 263 LO Self-Leveling Mortar                                                                                                                                                                                                                                                                                                                                         | 1.8 gal/square (85-95 wet mils)                                                                                                                                |
| Note: Optional finish surfacing materials, including additional application(s) of ALSAN TRAFIK RS 733 Self-Leveling Mortar, ALSAN TRAFIK RS 263 LO Self-Leveling Mortar, ALSAN TRAFIK RS 781 CL, ALSAN TRAFIK RS 787 CF, ALSAN TRAFIK RS 789 LT, ALSAN TRAFIK RS 790 HT and/or quartz aggregates and vinyl chips, may be applied to the final ALSAN TRAFIK RS surface with no adverse effect on system wind uplift performance. |                                                                                                                                                                |
| *ALSAN RS 230 Field or Flash or ALSAN RS 260 Field or Flash may be used as an equivalent to ALSAN TRAFIK RS 730 Field or Flash.                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |



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**TABLE 6B: ALSAN TRAFIK RS CONCRETE SURFACING APPLICATIONS**

| PRODUCT                                                                                                                                                                                                                                                              | RATE                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| ALSAN TRAFIK RS 789 LT                                                                                                                                                                                                                                               | 0.07 kg/sq. to 27 wet-mils.                         |
| ALSAN TRAFIK RS 790 HT                                                                                                                                                                                                                                               | 0.33 kg/ft <sup>2</sup> to 76 wet-mils.             |
| ALSAN TRAFIK RS 733 Self-Leveling Mortar                                                                                                                                                                                                                             | 0.42 – 0.44 kg/ft <sup>2</sup> to 79 – 87 wet-mils. |
| ALSAN TRAFIK RS 787 CF                                                                                                                                                                                                                                               | As embedment coat: 0.06 kg/sq. to 26 wet-mils.      |
| Note: If using ALSAN TRAFIK RS concrete surfacing, as described herein, in waterproofing applications, the full ALSAN TRAFIKTRAFIK RS 730 system, per <a href="#">Table 6A</a> , is required at all flashings, transitions, and cracks prior to applying surfacings. |                                                     |

**TABLE 6C: ALSAN TRAFIK PU WATERPROOFING APPLICATIONS**

| PRODUCT                           | RATE                                                 |
|-----------------------------------|------------------------------------------------------|
| LymTal "Iso-Flex Primer Epoxy SF" | 300 ft <sup>2</sup> /gal for 5 wet-mils              |
| ALSAN TRAFIKTRAFIK PU 211         | 64 ft <sup>2</sup> /gal for 25 wet-mils              |
| ALSAN TRAFIKTRAFIK PU 411         | 80 to 105 ft <sup>2</sup> /gal for 20 to 15 wet-mils |

**TABLE 6D: MODIFIED BITUMEN VAPOR BARRIER & BASE PLY REFERENCES**

| REFERENCE      | LAYER                                                                                                                                                                                                                                                              | MATERIALS                                                                       | APPLICATION                                          |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------|
| <b>SBS-CA2</b> | Base Ply:                                                                                                                                                                                                                                                          | COLPHENE Sanded, COLPHENE 180 Sanded, COLPHENE 180 PS ◇                         | 0.5 to 1-inch wide ribbons COLPLY EF spaced as noted |
| <b>SBS-CA3</b> | 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                                          |                                                      |
| <b>SBS-CA4</b> | Base Ply or Ply:                                                                                                                                                                                                                                                   | COLPHENE Sanded, COLPHENE 180 Sanded, COLPHENE 180 PS ◇                         | COLPLY Adhesive at 1.5-2.0 gal/square.               |
|                | Cap Ply:                                                                                                                                                                                                                                                           | COLPHENE 180 FR GR, COLPHENE 250 FR GR                                          |                                                      |
| <b>SBS-AA</b>  | Base Ply:                                                                                                                                                                                                                                                          | COLPHENE Sanded, COLPHENE 180 Sanded, COLPHENE 180 PS ◇                         | Hot asphalt, at 20-40 lbs/square                     |
| <b>SBS-TAF</b> | Base Ply or Ply:                                                                                                                                                                                                                                                   | COLPHENE SP 3.0, COLPHENE Flam 180 ◇, COLPHENE 180 SP 3.5, ELASTOPHENE WCB FLAM | Torch-Applied, Full Bond                             |
|                | Cap Ply:                                                                                                                                                                                                                                                           | COLPHENE Flam 180 GR, COLPHENE Flam 180 FR GR, COLPHENE Flam 250 FR GR          |                                                      |
| <b>SBS-SA</b>  | Base Ply or Ply:                                                                                                                                                                                                                                                   | COLPHENE Stick                                                                  | Self-adhering                                        |
| <b>Notes:</b>  | 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 <sup>2</sup> ) prior to application of subsequent self-adhering (SBS-SA) membranes. |                                                                                 |                                                      |
|                | In SBS-CA3 or SBS-TAF applications over SOPRABOARD or SOPRABOARD HS, the SOPRABOARD or SOPRABOARD HS 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:

- 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.
- 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.
- 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.



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## 4. LIMITATIONS OF USE:

### 4.1 General:

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

### 4.1.2 Roof Decks:

- (a) This NER pertains to above-deck waterproofing components. Decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction.
- (b) OSB sheathing is not permitted in FBC HVHZ jurisdictions.
- (c) 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 Corrosion Resistance – Saltwater Environments:

Fasteners and connectors, if applicable, in areas within 3,000 feet of a saltwater coastline shall demonstrate compliance with FBC 1711 to the satisfaction of the Authority Having Jurisdiction.

### 4.1.5 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.

### 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 <b>IBC, CBC 1504.6 or FBC 1504.5</b> for requirements and limitations regarding edge securement for low-slope roofs.                                                                                                                                                                                       | This NER does not include evaluation of roof edge termination. Refer to <b>RAS 111</b> for requirements and limitations regarding edge securement for low-slope roofs.                                                                                                                                                                   |
| 4.2.2 | Refer to <b>IBC, CBC 1512 or FBC 1511</b> for requirements and limitations regarding recover installations.                                                                                                                                                                                                                                                                        | Refer to <b>FBC HVHZ 1521</b> for requirements and limitations regarding recover installations.                                                                                                                                                                                                                                          |
|       | (a) For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with <b>ANSI/SPRI FX-1 or TAS 105</b> .                                                                                 | 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 <b>TAS 105</b> .                                                             |
|       | (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 <b>ANSI/SPRI IA-1, FM Loss Prevention Data Sheet 1-52 or TAS 124</b> 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 <b>TAS 124</b> 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.



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- (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, CBC, FBC 1609** 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, CBC, 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.
- (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.
- (e) For protected membrane waterproofing designs involving ballast, the ballast design shall comply with ANSI/SPRI RP-4.

"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.

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](#).

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.

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](#)4.3.1 **Thermal Barriers / Vapor Barriers:** The lesser of the MDP listings below vs. that for the selected roof assembly from [Section 4.3.2](#) applies.a) **Wood Decks:**

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

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

| OPTION #   | DECK (4.1.2)                                                                                       | THERMAL BARRIER                                                                                                                                        |                                                                                                                           |                           | PRIMER                                                        | VAPOR BARRIER (3.1.4)              |                      | ADHESIVE PER<br>TABLE 7A OR 8A<br>(3.1.3) | MDP<br>(PSF) |
|------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------|------------------------------------|----------------------|-------------------------------------------|--------------|
|            |                                                                                                    | TYPE                                                                                                                                                   | FASTENER (4.2.2) OR ADHESIVE (3.1.3)                                                                                      | ATTACH<br>(3.1.2E)        |                                                               | BASE PLY                           | CAP PLY<br>(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. 7/16-inch DEXcell Cement Roof Board                                                              | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 4.0 ft <sup>2</sup> | 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. 7/16-inch DEXcell Cement Roof Board                                                              | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 4.0 ft <sup>2</sup> | 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 DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup> | None                                                          | SBS-CA3 (sanded top)               | None                 | DUOTACK                                   | -45.0*       |
| W-TB/VB-14 | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup> | None                                                          | (Optional) SBS-CA3                 | SBS-CA3              | DUOTACK 365                               | -45.0*       |
| W-TB/VB-15 | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup> | (Optional) ELASTOCOL 500                                      | SBS-AA or SBS-TAF (sanded top)     | None                 | DUOTACK                                   | -45.0*       |
| W-TB/VB-16 | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup> | (Optional) ELASTOCOL 500                                      | (Optional) SBS-AA or SBS-TAF       | SBS-AA or SBS-TAF    | DUOTACK 365                               | -45.0*       |
| W-TB/VB-17 | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup> | 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 DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup> | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | (Optional) SBS-SA1                 | SBS-TAF              | DUOTACK 365                               | -45.0*       |

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

| OPTION #   | DECK (4.1.2)                          | THERMAL BARRIER                                                                                                                                        |                                                                                                                                                                     |                           | PRIMER                                                        | VAPOR BARRIER (3.1.4)              |                      | ADHESIVE PER<br>TABLE 7A OR 8A<br>(3.1.3) | MDP<br>(PSF) |
|------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------|------------------------------------|----------------------|-------------------------------------------|--------------|
|            |                                       | TYPE                                                                                                                                                   | FASTENER (4.2.2) OR ADHESIVE (3.1.3)                                                                                                                                | ATTACH<br>(3.1.2E)        |                                                               | BASE PLY                           | CAP PLY<br>(GRANULE) |                                           |              |
| W-TB/VB-19 | Min. 15/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate                                            | 1 per 1.6 ft <sup>2</sup> | None                                                          | SBS-CA3 (sanded top)               | None                 | DUOTACK                                   | -67.5        |
| W-TB/VB-20 | Min. 15/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate                                            | 1 per 1.6 ft <sup>2</sup> | None                                                          | (Optional) SBS-CA3                 | SBS-CA3              | DUOTACK 365                               | -67.5        |
| W-TB/VB-21 | Min. 15/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate                                            | 1 per 1.6 ft <sup>2</sup> | (Optional) ELASTOCOL 500                                      | SBS-AA or SBS-TAF (sanded top)     | None                 | DUOTACK                                   | -67.5        |
| W-TB/VB-22 | Min. 15/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate                                            | 1 per 1.6 ft <sup>2</sup> | (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 DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate                                            | 1 per 1.6 ft <sup>2</sup> | 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 DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 Fastener or SOPREMA #12 DP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate                                            | 1 per 1.6 ft <sup>2</sup> | 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 DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate | 1 per 1.8 ft <sup>2</sup> | None                                                          | SBS-CA3 (sanded top)               | None                 | DUOTACK                                   | -67.5        |
| W-TB/VB-26 | Min. 15/32-inch APA rated BCX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate | 1 per 1.8 ft <sup>2</sup> | None                                                          | (Optional) SBS-CA3                 | SBS-CA3              | DUOTACK 365                               | -67.5        |
| W-TB/VB-27 | Min. 15/32-inch APA rated BCX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate | 1 per 1.8 ft <sup>2</sup> | (Optional) ELASTOCOL 500                                      | SBS-AA or SBS-TAF (sanded top)     | None                 | DUOTACK                                   | -67.5        |



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

| OPTION #   | DECK (4.1.2)                             | THERMAL BARRIER                                                                                                                                                  |                                                                                                                                                                              |                              | PRIMER                                                                       | VAPOR BARRIER (3.1.4)                    |                      | ADHESIVE PER<br>TABLE 7A OR 8A<br>(3.1.3) | MDP<br>(PSF) |
|------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------|------------------------------------------|----------------------|-------------------------------------------|--------------|
|            |                                          | TYPE                                                                                                                                                             | FASTENER (4.2.2) OR ADHESIVE (3.1.3)                                                                                                                                         | ATTACH<br>(3.1.2E)           |                                                                              | BASE PLY                                 | CAP PLY<br>(GRANULE) |                                           |              |
| W-TB/VB-28 | Min. 15/32-inch APA rated<br>BCX plywood | Min. 0.5-inch DensDeck Prime or DEXcell<br>FA Glass Mat Roof Board, min. 7/16-inch<br>DEXcell Cement Roof Board or min. 0.5-<br>inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two<br>(2) Versa-Fast Fasteners, Trufast #14 HD or<br>SOPREMA #14 MP Fastener installed 180°<br>into the holes of the Versa-Fast Plate | 1 per<br>1.8 ft <sup>2</sup> | (Optional)<br>ELASTOCOL<br>500                                               | (Optional)<br>SBS-AA or<br>SBS-TAF       | SBS-AA or<br>SBS-TAF | DUOTACK 365                               | -67.5        |
| W-TB/VB-29 | Min. 15/32-inch APA rated<br>BCX plywood | Min. 0.5-inch DensDeck Prime or DEXcell<br>FA Glass Mat Roof Board, min. 7/16-inch<br>DEXcell Cement Roof Board or min. 0.5-<br>inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two<br>(2) Versa-Fast Fasteners, Trufast #14 HD or<br>SOPREMA #14 MP Fastener installed 180°<br>into the holes of the Versa-Fast Plate | 1 per<br>1.8 ft <sup>2</sup> | ELASTOCOL<br>Stick,<br>ELASTOCOL<br>Stick Zero or<br>ELASTOCOL<br>Stick LVOC | SOPRAVAP'R<br>or SBS-SA1<br>(sanded top) | None                 | DUOTACK                                   | -67.5        |
| W-TB/VB-30 | Min. 15/32-inch APA rated<br>BCX plywood | Min. 0.5-inch DensDeck Prime or DEXcell<br>FA Glass Mat Roof Board, min. 7/16-inch<br>DEXcell Cement Roof Board or min. 0.5-<br>inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two<br>(2) Versa-Fast Fasteners, Trufast #14 HD or<br>SOPREMA #14 MP Fastener installed 180°<br>into the holes of the Versa-Fast Plate | 1 per<br>1.8 ft <sup>2</sup> | ELASTOCOL<br>Stick,<br>ELASTOCOL<br>Stick Zero or<br>ELASTOCOL<br>Stick LVOC | (Optional)<br>SBS-SA1                    | SBS-TAF              | DUOTACK 365                               | -67.5        |
| W-TB/VB-31 | Min. 19/32-inch APA rated<br>CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell<br>FA Glass Mat Roof Board, min. 7/16-inch<br>DEXcell Cement Roof Board or min. 0.5-<br>inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one<br>(1) SOPREMA #14 MP Fastener or Trufast<br>#14 HD installed into the center hole of the<br>Versa-Fast Plate                      | 1 per<br>1.8 ft <sup>2</sup> | None                                                                         | SBS-CA3<br>(sanded top)                  | None                 | DUOTACK                                   | -67.5        |
| W-TB/VB-32 | Min. 19/32-inch APA rated<br>CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell<br>FA Glass Mat Roof Board, min. 7/16-inch<br>DEXcell Cement Roof Board or min. 0.5-<br>inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one<br>(1) SOPREMA #14 MP Fastener or Trufast<br>#14 HD installed into the center hole of the<br>Versa-Fast Plate                      | 1 per<br>1.8 ft <sup>2</sup> | None                                                                         | (Optional)<br>SBS-CA3                    | SBS-CA3              | DUOTACK 365                               | -67.5        |
| W-TB/VB-33 | Min. 19/32-inch APA rated<br>CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell<br>FA Glass Mat Roof Board, min. 7/16-inch<br>DEXcell Cement Roof Board or min. 0.5-<br>inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one<br>(1) SOPREMA #14 MP Fastener or Trufast<br>#14 HD installed into the center hole of the<br>Versa-Fast Plate                      | 1 per<br>1.8 ft <sup>2</sup> | (Optional)<br>ELASTOCOL<br>500                                               | SBS-AA or<br>SBS-TAF<br>(sanded top)     | None                 | DUOTACK                                   | -67.5        |
| W-TB/VB-34 | Min. 19/32-inch APA rated<br>CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell<br>FA Glass Mat Roof Board, min. 7/16-inch<br>DEXcell Cement Roof Board or min. 0.5-<br>inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one<br>(1) SOPREMA #14 MP Fastener or Trufast<br>#14 HD installed into the center hole of the<br>Versa-Fast Plate                      | 1 per<br>1.8 ft <sup>2</sup> | (Optional)<br>ELASTOCOL<br>500                                               | (Optional)<br>SBS-AA or<br>SBS-TAF       | SBS-AA or<br>SBS-TAF | DUOTACK 365                               | -67.5        |
| W-TB/VB-35 | Min. 19/32-inch APA rated<br>CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell<br>FA Glass Mat Roof Board, min. 7/16-inch<br>DEXcell Cement Roof Board or min. 0.5-<br>inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one<br>(1) SOPREMA #14 MP Fastener or Trufast<br>#14 HD installed into the center hole of the<br>Versa-Fast Plate                      | 1 per<br>1.8 ft <sup>2</sup> | ELASTOCOL<br>Stick,<br>ELASTOCOL<br>Stick Zero or<br>ELASTOCOL<br>Stick LVOC | SOPRAVAP'R<br>or SBS-SA1<br>(sanded top) | None                 | DUOTACK                                   | -67.5        |

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

| OPTION #   | DECK (4.1.2)                                                                                               | THERMAL BARRIER                                                                                                                                         |                                                                                                                                                |                           | PRIMER                                                        | VAPOR BARRIER (3.1.4)              |                      | ADHESIVE PER<br>TABLE 7A OR 8A<br>(3.1.3) | MDP<br>(PSF) |
|------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------|------------------------------------|----------------------|-------------------------------------------|--------------|
|            |                                                                                                            | TYPE                                                                                                                                                    | FASTENER (4.2.2) OR ADHESIVE (3.1.3)                                                                                                           | ATTACH<br>(3.1.2E)        |                                                               | BASE PLY                           | CAP PLY<br>(GRANULE) |                                           |              |
| W-TB/VB-36 | Min. 19/32-inch APA rated CDX plywood                                                                      | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECURROCK 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 <sup>2</sup> | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | (Optional) SBS-SA1                 | SBS-TAF              | DUOTACK 365                               | -67.5        |
| W-TB/VB-37 | APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                               | DUOTACK 365                                                                                                                                    | 6-inch o.c.               | None                                                          | SBS-AA or SBS-TAF (sanded top)     | None                 | DUOTACK                                   | -105.0       |
| W-TB/VB-38 | APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                               | DUOTACK 365                                                                                                                                    | 6-inch o.c.               | None                                                          | (Optional) SBS-TAF                 | SBS-TAF              | DUOTACK 365                               | -105.0       |
| W-TB/VB-39 | APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                               | DUOTACK 365                                                                                                                                    | 6-inch o.c.               | ELASTOCOL Stick, 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. 7/16-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       |

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b) Steel Decks:

| TABLE VB-2: STEEL DECK                                         |                                     |                                                                            |                                                                                                                          |                           |               |                                         |                      |                                           |              |
|----------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------|-----------------------------------------|----------------------|-------------------------------------------|--------------|
| THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION |                                     |                                                                            |                                                                                                                          |                           |               |                                         |                      |                                           |              |
| OPTION #                                                       | DECK (4.1.2)                        | THERMAL BARRIER                                                            |                                                                                                                          |                           | PRIMER        | VAPOR BARRIER (3.1.4)                   |                      | ADHESIVE PER<br>TABLE 8A OR 8B<br>(3.1.3) | MDP<br>(PSF) |
|                                                                |                                     | TYPE                                                                       | FASTENER (4.2.2) OR ADHESIVE (3.1.3)                                                                                     | ATTACH<br>(3.1.2e)        |               | BASE PLY                                | CAP PLY<br>(GRANULE) |                                           |              |
| S-TB/VB-1.                                                     | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | None          | SBS-CA3, SBS-CA4 or SBS-AA (sanded top) | None                 | DUOTACK                                   | -45.0*       |
| S-TB/VB-2.                                                     | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | None          | (Optional) SBS-CA3                      | SBS-CA3              | DUOTACK 365                               | -45.0*       |
| S-TB/VB-3.                                                     | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | None          | (Optional) SBS-CA3                      | SBS-CA3              | DUOTACK 365                               | -45.0*       |
| S-TB/VB-6.                                                     | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | ELASTOCOL 500 | SBS-TAF (sanded top)                    | None                 | DUOTACK                                   | -45.0*       |
| S-TB/VB-7.                                                     | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | 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 <sup>2</sup> | None          | SBS-TAF (sanded top)                    | None                 | DUOTACK                                   | -45.0*       |

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

| OPTION #    | DECK <a href="#">(4.1.2)</a>        | THERMAL BARRIER                                                                           |                                                                                                                          |                                    | PRIMER                                                        | VAPOR BARRIER <a href="#">(3.1.4)</a> |                      | ADHESIVE PER<br>TABLE <a href="#">8A</a> OR <a href="#">8B</a><br><a href="#">(3.1.3)</a> | MDP<br><a href="#">(PSF)</a> |
|-------------|-------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------|---------------------------------------|----------------------|-------------------------------------------------------------------------------------------|------------------------------|
|             |                                     | TYPE                                                                                      | FASTENER <a href="#">(4.2.2)</a> OR ADHESIVE <a href="#">(3.1.3)</a>                                                     | ATTACH<br><a href="#">(3.1.2E)</a> |                                                               | BASE PLY                              | CAP PLY<br>(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 <sup>2</sup>          | None                                                          | (Optional) SBS-TAF                    | SBS-TAF              | DUOTACK 365                                                                               | -45.0*                       |
| S-TB/VB-10. | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                | SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>          | 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. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber 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 <sup>2</sup>          | 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 <sup>2</sup>          | 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 <sup>2</sup>          | 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. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                                                                                                              | 12-inch o.c.                       | None                                                          | SBS-AA or SBS-TAF (sanded top)        | None                 | DUOTACK                                                                                   | -45.0*                       |
| S-TB/VB-15. | 22 ga., Type B, Grade 40 steel      | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                                                                                                              | 12-inch o.c.                       | None                                                          | (Optional) SBS-TAF                    | SBS-TAF              | DUOTACK 365                                                                               | -45.0*                       |
| S-TB/VB-16. | 22 ga., Type B, Grade 40 steel      | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                                                                                                              | 12-inch o.c.                       | ELASTOCOL Stick, 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. 7/16-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*                       |

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

| OPTION #    | DECK (4.1.2)                        | THERMAL BARRIER                                                                                                                               |                                                                                                                          |                           | PRIMER        | VAPOR BARRIER (3.1.4)                   |                      | ADHESIVE PER<br>TABLE 8A OR 8B<br>(3.1.3) | MDP<br>(PSF) |
|-------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------|-----------------------------------------|----------------------|-------------------------------------------|--------------|
|             |                                     | TYPE                                                                                                                                          | FASTENER (4.2.2) OR ADHESIVE (3.1.3)                                                                                     | ATTACH<br>(3.1.2E)        |               | BASE PLY                                | CAP PLY<br>(GRANULE) |                                           |              |
| S-TB/VB-18. | 22 ga., Type B, Grade 40 steel      | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXCell Cement Roof Board | DUOTACK 365 or DUOTACK SPF HFO                                                                                           | 12-inch o.c.              | None          | (Optional) SBS-CA3                      | SBS-CA3              | DUOTACK 365 or DUOTACK SPF HFO            | -45.0*       |
| 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | None          | (Optional) SBS-TAF                      | SBS-TAF              | DUOTACK 365                               | -75.0        |
| S-TB/VB-22. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber 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 <sup>2</sup> | 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 <sup>2</sup> | None          | SBS-AA (sanded top)                     | None                 | DUOTACK                                   | -82.5        |
| S-TB/VB-24. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board                                   | SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | ELASTOCOL 500 | SBS-TAF (sanded top)                    | None                 | DUOTACK                                   | -82.5        |
| S-TB/VB-25. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board                                   | SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | ELASTOCOL 500 | (Optional) SBS-TAF                      | SBS-TAF              | DUOTACK 365                               | -82.5        |

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

| OPTION #    | DECK (4.1.2)                        | THERMAL BARRIER                                                                                             |                                                                                                                          |                           | PRIMER                                                        | VAPOR BARRIER (3.1.4)              |                   | ADHESIVE PER TABLE 8A OR 8B (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-26. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SOPRAVAP'R or SBS-SA1 (sanded top) | None              | DUOTACK                             | -82.5     |
| S-TB/VB-27. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 Fastener or SOPREMA #14 MP Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | 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. 7/16-inch DEXcell Cement Roof Board                   | DUOTACK 365                                                                                                              | 6-inch o.c.               | None                                                          | SBS-AA or SBS-TAF (sanded top)     | None              | DUOTACK                             | -127.5    |
| S-TB/VB-29. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board                   | DUOTACK 365                                                                                                              | 6-inch o.c.               | 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. 7/16-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. 7/16-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. 0.5-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. 0.5-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. 7/16-inch DEXcell Cement Roof Board                   | DUOTACK SPF HFO                                                                                                          | 12-inch o.c.              | None                                                          | SBS-AA (sanded top)                | None              | DUOTACK SPF HFO                     | -75.0     |
| S-TB/VB-35. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board                   | DUOTACK SPF HFO                                                                                                          | 12-inch o.c.              | ELASTOCOL Stick Zero 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. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                                              | DUOTACK SPF HFO                                                                                                          | 12-inch o.c.              | ELASTOCOL 500                                                 | SBS-TAF (sanded top)               | None              | DUOTACK SPF HFO                     | -75.0     |

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

| OPTION #    | DECK (4.1.2)                        | THERMAL BARRIER                                                                           |                                      |                    | PRIMER                                                        | VAPOR BARRIER (3.1.4)              |                      | ADHESIVE PER<br>TABLE 8A OR 8B<br>(3.1.3) | MDP<br>(PSF) |
|-------------|-------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------|--------------------|---------------------------------------------------------------|------------------------------------|----------------------|-------------------------------------------|--------------|
|             |                                     | TYPE                                                                                      | FASTENER (4.2.2) OR ADHESIVE (3.1.3) | ATTACH<br>(3.1.2e) |                                                               | BASE PLY                           | CAP PLY<br>(GRANULE) |                                           |              |
| S-TB/VB-37. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                            | DUOTACK SPF HFO                      | 12-inch o.c.       | ELASTOCOL 500                                                 | (Optional) SBS-TAF                 | SBS-TAF              | DUOTACK SPF HFO                           | -75.0        |
| S-TB/VB-38. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                            | DUOTACK SPF HFO                      | 12-inch o.c.       | ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                  | SOPRAVAP'R                         | None                 | DUOTACK SPF HFO                           | -75.0        |
| S-TB/VB-39. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                            | DUOTACK SPF HFO                      | 12-inch o.c.       | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1 (sanded top)               | None                 | DUOTACK SPF HFO                           | -75.0        |
| S-TB/VB-40. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                            | DUOTACK SPF HFO                      | 12-inch o.c.       | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | (Optional) SBS-SA1                 | SBS-TAF              | DUOTACK SPF HFO                           | -75.0        |
| S-TB/VB-41. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck Prime                                                              | DUOTACK SPF HFO                      | 6-inch o.c.        | ELASTOCOL Stick, 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-42. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-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       |
| S-TB/VB-43. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK SPF HFO                      | 6-inch o.c.        | None                                                          | SBS-AA (sanded top)                | None                 | DUOTACK SPF HFO, 6-inch o.c.              | -127.5       |
| S-TB/VB-44. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK SPF HFO                      | 6-inch o.c.        | ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                  | SOPRAVAP'R                         | None                 | DUOTACK SPF HFO, 6-inch o.c.              | -127.5       |
| S-TB/VB-45. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                            | DUOTACK SPF HFO                      | 6-inch o.c.        | ELASTOCOL 500                                                 | SBS-TAF (sanded top)               | None                 | DUOTACK SPF HFO, 6-inch o.c.              | -127.5       |
| S-TB/VB-46. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                            | DUOTACK SPF HFO                      | 6-inch o.c.        | ELASTOCOL 500                                                 | (Optional) SBS-TAF                 | SBS-TAF              | DUOTACK SPF HFO, 6-inch o.c.              | -127.5       |
| S-TB/VB-47. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                            | DUOTACK SPF HFO                      | 6-inch o.c.        | ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                  | SOPRAVAP'R                         | None                 | DUOTACK SPF HFO, 6-inch o.c.              | -127.5       |
| S-TB/VB-48. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                            | DUOTACK SPF HFO                      | 6-inch o.c.        | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1 (sanded top)               | None                 | DUOTACK SPF HFO, 6-inch o.c.              | -127.5       |

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

| OPTION #    | DECK <a href="#">(4.1.2)</a>        | THERMAL BARRIER                                |                                                                      |                                    | PRIMER                                                        | VAPOR BARRIER <a href="#">(3.1.4)</a> |                      | ADHESIVE PER<br>TABLE <a href="#">8A</a> OR <a href="#">8B</a><br><a href="#">(3.1.3)</a> | <a href="#">MDP</a><br><a href="#">(PSF)</a> |
|-------------|-------------------------------------|------------------------------------------------|----------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------|---------------------------------------|----------------------|-------------------------------------------------------------------------------------------|----------------------------------------------|
|             |                                     | TYPE                                           | FASTENER <a href="#">(4.2.2)</a> OR ADHESIVE <a href="#">(3.1.3)</a> | ATTACH<br><a href="#">(3.1.2e)</a> |                                                               | BASE PLY                              | CAP PLY<br>(GRANULE) |                                                                                           |                                              |
| S-TB/VB-49. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | DUOTACK SPF HFO                                                      | 6-inch o.c.                        | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | (Optional) SBS-SA1                    | SBS-TAF              | DUOTACK SPF HFO, 6-inch o.c.                                                              | -127.5                                       |

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c) Structural Concrete Decks:**TABLE VB-3A: STRUCTURAL CONCRETE DECK  
1-PLY VAPOR BARRIER FOLLOWED BY ADHERED INSULATION**

| OPTION # | PRIMER                                                        | VAPOR BARRIER (3.1.4)                                                                                                                                                                                                                                                | INSULATION ADHESIVE PER TABLE 9A (3.1.3)                          | MDP (PSF) |
|----------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------|
| C-VB-1.  | none                                                          | SOPRASMART XP HD 180 Sanded applied in DUOTACK, ribbons 12-inch o.c. (laps are torched or sealed with a hot air gun)                                                                                                                                                 | DUOTACK                                                           | -52.5     |
| C-VB-2.  | ASTM D41                                                      | SBS-CA4 (granule top)                                                                                                                                                                                                                                                | DUOTACK                                                           | -97.5     |
| C-VB-3.  | ASTM D41                                                      | SBS-CA4 (sanded top)                                                                                                                                                                                                                                                 | DUOTACK                                                           | -120.0    |
| C-VB-4.  | none                                                          | SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.                                                                                                                                                                                                        | DUOTACK                                                           | -120.0    |
| C-VB-5.  | (Optional) ASTM D41, ELASTOCOL 500                            | SBS-CA3 (granule top)                                                                                                                                                                                                                                                | DUOTACK                                                           | -195.0    |
| C-VB-6.  | ASTM D41                                                      | SBS-AA (granule top)                                                                                                                                                                                                                                                 | DUOTACK                                                           | -195.0    |
| C-VB-7.  | ASTM D41                                                      | SBS-TAF (granule top)                                                                                                                                                                                                                                                | DUOTACK                                                           | -195.0    |
| C-VB-8.  | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1 (granule top)                                                                                                                                                                                                                                                | DUOTACK                                                           | -195.0    |
| C-VB-9.  | none                                                          | SBS-CA2 (sanded- or granule-top-surface), 6-inch o.c.                                                                                                                                                                                                                | DUOTACK (ribbons perpendicular to vapor barrier adhesive ribbons) | -207.5    |
| C-VB-10. | ASTM D41                                                      | SBS-TAP (sanded top)                                                                                                                                                                                                                                                 | DUOTACK                                                           | -232.5    |
| C-VB-11. | ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                  | SOPRAVAP'R, self-adhering                                                                                                                                                                                                                                            | DUOTACK                                                           | -240.0    |
| C-VB-12. | none                                                          | SBS-CA3 (sanded top)                                                                                                                                                                                                                                                 | DUOTACK                                                           | -255.0    |
| C-VB-13. | ASTM D41, ELASTOCOL 500                                       | SBS-CA3 (sanded top)                                                                                                                                                                                                                                                 | DUOTACK                                                           | -270.0    |
| C-VB-14. | ASTM D41                                                      | SBS-AA (sanded top)                                                                                                                                                                                                                                                  | DUOTACK                                                           | -270.0    |
| C-VB-15. | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1 (sanded top)                                                                                                                                                                                                                                                 | DUOTACK                                                           | -315.0    |
| C-VB-16. | ASTM D41                                                      | SBS-TAF (sanded top)                                                                                                                                                                                                                                                 | DUOTACK                                                           | -382.5    |
| C-VB-17. | None                                                          | SBS-CA2 (sanded- or granule-top-surface), 6-inch o.c.                                                                                                                                                                                                                | DUOTACK, 6-inch o.c.                                              | -445.0    |
| C-VB-18. | ALSAN RS 222, ALSAN RS 276 or AQUAFIN VAPORTIGHT COAT-SG3     | Base coat of ALSAN RS 230 applied at 3.9 gal/sq. followed by ALSAN RS Fleece into the wet base coat, and top coat of ALSAN RS 230 at 1.9 gal/sq., surfaced with ALSAN RS Quartz Aggregate to refusal. Remove loose aggregate prior to insulation adhesive placement. | DUOTACK 365                                                       | -382.5    |
| C-VB-19. | ALSAN RS 222, ALSAN RS 276 or AQUAFIN VAPORTIGHT COAT-SG3     | Base coat of ALSAN RS 230 applied at 3.9 gal/sq. followed by ALSAN RS Fleece into the wet base coat, and top coat of ALSAN RS 230 at 1.9 gal/sq., surfaced with ALSAN RS Quartz Aggregate to refusal. Remove loose aggregate prior to insulation adhesive placement. | DUOTACK 365, 6-inch o.c.                                          | -445.0    |
| C-VB-20. | ASTM D41                                                      | SBS-CA4 (granule top)                                                                                                                                                                                                                                                | DUOTACK SPF HFO                                                   | -97.5     |
| C-VB-21. | ASTM D41                                                      | SBS-CA4 (sanded top)                                                                                                                                                                                                                                                 | DUOTACK SPF HFO                                                   | -120.0    |
| C-VB-22. | (Optional) ASTM D41, ELASTOCOL 500                            | SBS-CA3 (granule top)                                                                                                                                                                                                                                                | DUOTACK SPF HFO                                                   | -195.0    |
| C-VB-23. | ASTM D41                                                      | SBS-AA (granule top)                                                                                                                                                                                                                                                 | DUOTACK SPF HFO                                                   | -195.0    |
| C-VB-24. | ASTM D41                                                      | SBS-TAF (granule top)                                                                                                                                                                                                                                                | DUOTACK SPF HFO                                                   | -195.0    |
| C-VB-25. | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1 (granule top)                                                                                                                                                                                                                                                | DUOTACK SPF HFO                                                   | -195.0    |
| C-VB-26. | (Optional) ASTM D41, ELASTOCOL 500                            | SBS-CA3 (sanded top)                                                                                                                                                                                                                                                 | DUOTACK SPF HFO                                                   | -222.5    |
| C-VB-27. | ASTM D41                                                      | SBS-AA (sanded top)                                                                                                                                                                                                                                                  | DUOTACK SPF HFO                                                   | -222.5    |
| C-VB-28. | ASTM D41                                                      | SBS-TAP or SBS-TAF (sanded top)                                                                                                                                                                                                                                      | DUOTACK SPF HFO                                                   | -222.5    |

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

| OPTION # | PRIMER                                                        | VAPOR BARRIER (3.1.4)                                       | INSULATION ADHESIVE PER TABLE 9A (3.1.3) | MDP (PSF) |
|----------|---------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------|-----------|
| C-VB-29. | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1 (sanded top)                                        | DUOTACK SPF HFO                          | -222.5    |
| C-VB-30. | ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                  | SOPRAVAP'R, self-adhering                                   | DUOTACK SPF HFO                          | -392.5    |
| C-VB-31. | ASTM D41                                                      | SBS-AA (sanded top)                                         | hot asphalt                              | -210.0    |
| C-VB-32. | ASTM D41                                                      | SOPRA IV, SOPRA VI, MODIFIED SOPRA G applied in hot asphalt | hot asphalt                              | -270.0    |
| C-VB-33. | none                                                          | SBS-CA2 (sanded-top-surface), ribbons 6-inch o.c.           | hot asphalt                              | -367.5    |
| C-VB-34. | ASTM D41                                                      | SBS-TAF (sanded top)                                        | hot asphalt                              | -367.5    |

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

| OPTION # | PRIMER                                                        | VAPOR BARRIER (3.1.4) |                                                            | INSULATION ADHESIVE PER TABLE 9A (3.1.3)                          | MDP (PSF) |
|----------|---------------------------------------------------------------|-----------------------|------------------------------------------------------------|-------------------------------------------------------------------|-----------|
|          |                                                               | TYPE                  | APPLICATION                                                |                                                                   |           |
| C-VB-35. | ASTM D41                                                      | SBS-CA4               | SBS-CA4, SBS-AA or SBS-TAF (granule top)                   | DUOTACK                                                           | -97.5     |
| C-VB-36. | ASTM D41                                                      | SBS-CA4               | SBS-CA4 (sanded top)                                       | DUOTACK                                                           | -120.0    |
| C-VB-37. | none                                                          | SBS-CA2, 6-inch o.c.  | SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)        | DUOTACK                                                           | -120.0    |
| C-VB-38. | (Optional) ASTM D41, ELASTOCOL 500                            | SBS-CA3               | SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 (granule top) | DUOTACK                                                           | -195.0    |
| C-VB-39. | ASTM D41                                                      | SBS-AA or SBS-TAF     | SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 (granule top) | DUOTACK                                                           | -195.0    |
| C-VB-40. | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1               | SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 (granule top) | DUOTACK                                                           | -195.0    |
| C-VB-41. | none                                                          | SBS-CA2, 6-inch o.c.  | SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)        | DUOTACK (ribbons perpendicular to vapor barrier adhesive ribbons) | -207.5    |
| C-VB-42. | ASTM D41                                                      | SBS-TAP               | SBS-TAF (sanded top)                                       | DUOTACK                                                           | -232.5    |
| C-VB-43. | none                                                          | SBS-CA3               | SBS-CA3 (sanded top)                                       | DUOTACK                                                           | -255.0    |
| C-VB-44. | ASTM D41, ELASTOCOL 500                                       | SBS-CA3               | SBS-CA3 (sanded top)                                       | DUOTACK                                                           | -270.0    |
| C-VB-45. | ASTM D41                                                      | BP-AA                 | BP-AA                                                      | DUOTACK                                                           | -270.0    |
| C-VB-46. | ASTM D41                                                      | SBS-AA                | SBS-AA (sanded top)                                        | DUOTACK                                                           | -270.0    |
| C-VB-47. | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1               | SBS-SA1 (sanded top)                                       | DUOTACK                                                           | -315.0    |
| C-VB-48. | ASTM D41                                                      | SBS-TAF               | SBS-TAF (sanded top)                                       | DUOTACK                                                           | -382.5    |
| C-VB-49. | none                                                          | SBS-CA2, 6-inch o.c.  | SBS-CA3 (sanded- or granule-top-surface)                   | DUOTACK, 6-inch o.c.                                              | -382.5    |
| C-VB-50. | none                                                          | SBS-CA2, 6-inch o.c.  | SBS-TAF (sanded- or granule-top-surface)                   | DUOTACK, 6-inch o.c.                                              | -445.0    |
| C-VB-51. | ASTM D41                                                      | SBS-AA                | SBS-AA (sanded top)                                        | hot asphalt                                                       | -210.0    |
| C-VB-52. | ASTM D41                                                      | BP-AA                 | BP-AA                                                      | hot asphalt                                                       | -270.0    |
| C-VB-53. | none                                                          | SBS-CA2, 6-inch o.c.  | SBS-CA3 or SBS-TAF (sanded-top-surface)                    | hot asphalt                                                       | -367.5    |
| C-VB-54. | ASTM D41                                                      | SBS-TAF               | SBS-TAF (sanded top)                                       | hot asphalt                                                       | -367.5    |

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

| TABLE VB-4: DECK FOLLOWED BY VAPOR BARRIER FOLLOWED BY LIGHTWEIGHT CONCRETE (LWC) |                         |                            |                                      |                           |                         |                                                               |                                          |           |
|-----------------------------------------------------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|-------------------------|---------------------------------------------------------------|------------------------------------------|-----------|
| OPTION #                                                                          | DECK (4.1.2)            | SUBSTRATE BOARD            |                                      |                           | PRIMER                  | DRY-IN/TEMPORARY ROOF (3.1.4)                                 |                                          | MDP (PSF) |
|                                                                                   |                         | TYPE                       | FASTENER (4.2.2) OR ADHESIVE (3.1.3) | ATTACH                    |                         | BASE PLY                                                      | CAP PLY                                  |           |
| LWC-VB-1.                                                                         | Structural concrete     | None                       | N/A                                  | N/A                       | None                    | SBS-CA3 (sanded-top-surface)                                  | None                                     | -255.0    |
| LWC-VB-2.                                                                         | Structural concrete     | None                       | N/A                                  | N/A                       | None                    | (Optional) SBS-CA3                                            | SBS-CA3 (sanded- or granule-top-surface) | -255.0    |
| LWC-VB-3.                                                                         | Structural concrete     | None                       | N/A                                  | N/A                       | ASTM D41, ELASTOCOL 500 | SBS-CA3 (sanded-top-surface)                                  | None                                     | -270.0    |
| LWC-VB-4.                                                                         | Structural concrete     | None                       | N/A                                  | N/A                       | ASTM D41, ELASTOCOL 500 | (Optional) SBS-CA3                                            | SBS-CA3 (sanded- or granule-top-surface) | -270.0    |
| LWC-VB-5.                                                                         | Structural concrete     | None                       | N/A                                  | N/A                       | ASTM D41, ELASTOCOL 500 | SBS-TAF (sanded-top-surface)                                  | None                                     | -367.5    |
| LWC-VB-6.                                                                         | Structural concrete     | None                       | N/A                                  | N/A                       | ASTM D41, ELASTOCOL 500 | (Optional) SBS-TAF                                            | SBS-TAF (sanded- or granule-top-surface) | -367.5    |
| LWC-VB-7.                                                                         | Structural concrete     | None                       | N/A                                  | N/A                       | None                    | SBS-CA2, ribbons 6-inch o.c.                                  | SBS-CA3 (sanded- or granule-top-surface) | -382.5    |
| LWC-VB-8.                                                                         | Structural concrete     | None                       | N/A                                  | N/A                       | None                    | SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c. | None                                     | -445.0    |
| LWC-VB-9.                                                                         | Structural concrete     | None                       | N/A                                  | N/A                       | None                    | SBS-CA2, ribbons 6-inch o.c.                                  | SBS-TAF (sanded- or granule-top-surface) | -445.0    |
| LWC-VB-10.                                                                        | Cementitious Wood Fiber | Min. 0.125-inch SOPRABOARD | Twin Loc-Nail (1.8-inch)             | 1 per 1.8 ft <sup>2</sup> | None                    | SBS-CA3, SBS-AA or SBS-TAF                                    | (Optional) SBS-CA3, SBS-AA or SBS-TAF    | -45.0*    |
| LWC-VB-11.                                                                        | Cementitious Wood Fiber | Min. 0.125-inch SOPRABOARD | Twin Loc-Nail (1.8-inch)             | 1 per 1.0 ft <sup>2</sup> | None                    | SBS-CA3, SBS-AA or SBS-TAF                                    | (Optional) SBS-CA3, SBS-AA or SBS-TAF    | -67.5     |
| LWC-VB-12.                                                                        | Cementitious Wood Fiber | Min. 0.125-inch SOPRABOARD | DUOTACK 365 or DUOTACK SPF HFO       | ribbons 6-inch o.c.       | None                    | SBS-CA3, SBS-AA or SBS-TAF                                    | (Optional) SBS-CA3, SBS-AA or SBS-TAF    | -272.0    |

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**(e) Cementitious Wood Fiber Decks:****TABLE VB-5: CEMENTITIOUS WOOD FIBER DECK  
VAPOR BARRIER FOLLOWED BY ADHERED INSULATION**

| OPTION #  | SUBSTRATE BOARD             |                                      |                           | VAPOR BARRIER (3.1.4)                        |                                       | INSULATION ADHESIVE (3.1.3)                        | MDP (psf) |
|-----------|-----------------------------|--------------------------------------|---------------------------|----------------------------------------------|---------------------------------------|----------------------------------------------------|-----------|
|           | TYPE                        | FASTENER (4.2.2) OR ADHESIVE (3.1.3) | ATTACH                    | BASE PLY                                     | CAP PLY                               |                                                    |           |
| CWF-VB-1. | Min. 0.125-inch SOPRABOARD  | Trufast Twin Loc-Nail (1.8-inch)     | 1 per 1.8 ft <sup>2</sup> | SBS-CA3, SBS-AA or SBS-TAF                   | (Optional) SBS-CA3, SBS-AA or SBS-TAF | DUOTACK 365 or DUOTACK SPF HFO per Table 8A        | -45.0*    |
| CWF-VB-2. | Min. 0.125-inch SOPRABOARD  | Trufast Twin Loc-Nail (1.8-inch)     | 1 per 1.0 ft <sup>2</sup> | SBS-CA3, SBS-AA or SBS-TAF                   | (Optional) SBS-CA3, SBS-AA or SBS-TAF | DUOTACK 365 or DUOTACK SPF HFO per Table 8A        | -67.5     |
| CWF-VB-3. | Min. 0.125-inch SOPRABOARD  | DUOTACK 365 or DUOTACK SPF HFO       | ribbons 6-inch o.c.       | SBS-CA3, SBS-AA or SBS-TAF                   | (Optional) SBS-CA3, SBS-AA or SBS-TAF | DUOTACK 365 or DUOTACK SPF HFO per Table 9A or 11A | -272.0    |
| CWF-VB-4. | SOPRASMART Board 180 Sanded | DUOTACK 365 or DUOTACK SPF HFO       | ribbons 6-inch o.c.       | (Optional) SBS-CA3, SBS-AA or SBS-TAF        | (Optional) SBS-CA3, SBS-AA or SBS-TAF | DUOTACK 365 or DUOTACK SPF HFO per Table 9A or 11A | -272.5    |
| CWF-VB-5. | SOPRASMART Board 180        | DUOTACK 365 or DUOTACK SPF HFO       | ribbons 6-inch o.c.       | (Optional) SBS-TAF (with sanded-top-surface) | (Optional) SBS-CA3, SBS-AA or SBS-TAF | DUOTACK 365 or DUOTACK SPF HFO per Table 9A or 11A | -272.5    |
| CWF-VB-6. | SOPRASMART Board 180        | DUOTACK 365 or DUOTACK SPF HFO       | ribbons 6-inch o.c.       | SBS-TAF (film-top-surface)                   | SBS-TAF                               | DUOTACK 365 or DUOTACK SPF HFO per Table 9A or 11A | -272.5    |

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**4.3.2 Roof Assemblies:**

| TABLE               | DECK                           | APPLICATION                        | TYPE | DESCRIPTION                                                                      | PAGE |
|---------------------|--------------------------------|------------------------------------|------|----------------------------------------------------------------------------------|------|
| <a href="#">7A</a>  | Wood                           | New, Reroof (Tear-Off)             | A-1  | ALSAN TRAFIK RS 730: Bonded Thermal Barrier, Bonded Waterproofing                | 26   |
| <a href="#">7B</a>  | Wood                           | New, Reroof (Tear-Off), or Recover | C-1  | ALSAN TRAFIK RS 730: Mechanically Attached Thermal Barrier, Bonded Waterproofing | 27   |
| <a href="#">7C</a>  | Wood                           | New, Reroof (Tear-Off), or Recover | C-1  | ALSAN TRAFIK RS 730: Mechanically Attached Insulation, Bonded Waterproofing      | 33   |
| <a href="#">8A</a>  | Steel                          | New, Reroof (Tear-Off)             | A-1  | ALSAN TRAFIK RS 730: Bonded Thermal Barrier, Bonded Waterproofing                | 33   |
| <a href="#">8B</a>  | Steel                          | New, Reroof (Tear-Off), or Recover | C-1  | ALSAN TRAFIK RS 730: Mechanically Attached Thermal Barrier, Bonded Waterproofing | 36   |
| <a href="#">8C</a>  | Steel                          | New, Reroof (Tear-Off), or Recover | C-1  | ALSAN TRAFIK RS 730: Mechanically Attached Insulation, Bonded Waterproofing      | 40   |
| <a href="#">9A</a>  | Structural Concrete            | New, Reroof (Tear-Off)             | A-1  | ALSAN TRAFIK RS 730: Bonded Insulation, Bonded Waterproofing                     | 45   |
| <a href="#">9B</a>  | Structural Concrete            | New, Reroof (Tear-Off)             | A-2  | ALSAN TRAFIK RS 730: Bonded Waterproofing, Bonded Insulation                     | 51   |
| <a href="#">9C</a>  | Structural Concrete            | New, Reroof (Tear-Off)             | F    | ALSAN TRAFIK RS 730: Non-Insulated, Bonded Waterproofing                         | 52   |
| <a href="#">9D</a>  | Structural Concrete            | New, Reroof (Tear-Off)             | F    | ALSAN TRAFIKTRAFIK PU: Non-Insulated, Bonded Waterproofing                       | 55   |
| <a href="#">9E</a>  | Structural Concrete            | New, Reroof (Tear-Off)             | F    | ALSAN TRAFIKTRAFIK RS 730: Non-Insulated, Bonded Waterproofing                   | 55   |
| <a href="#">9F</a>  | Structural Concrete            | New, Reroof (Tear-Off)             | F    | ALSAN TRAFIKTRAFIK RS Concrete Surfacing: Non-Insulated, Bonded Surfacing        | 57   |
| <a href="#">10A</a> | Deck with Lightweight Concrete | New                                | F    | ALSAN TRAFIK RS 730: LWC to Deck, Bonded Waterproofing                           | 58   |
| <a href="#">11A</a> | Cementitious Wood Fiber        | New, Reroof (Tear-Off)             | A-1  | ALSAN TRAFIK RS 730: Bonded Insulation, Bonded Waterproofing                     | 59   |
| <a href="#">11B</a> | Cementitious Wood Fiber        | New, Reroof (Tear-Off)             | C-1  | ALSAN TRAFIK RS 730: Mechanically Attached Insulation, Bonded Waterproofing      | 60   |
| <a href="#">12A</a> | Recover                        | Recover                            | F    | ALSAN TRAFIK RS 730: Non-Insulated, Bonded Waterproofing                         | 60   |

**TABLE 7A: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED THERMAL BARRIER, BONDED WATERPROOFING**  
 REFER TO [TABLE VB-1](#) FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS

| SYSTEM No. | DECK <a href="#">(4.1.2)</a>                                                                               | THERMAL BARRIER                                                                           |                                  |             | PRIMER                   | WATERPROOFING <a href="#">(3.1.4)</a> |                          |                                  | OVERBURDEN <a href="#">(3.1.5)</a>                                                         | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------|-------------|--------------------------|---------------------------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|---------------------------|
|            |                                                                                                            | TYPE                                                                                      | ADHESIVE <a href="#">(3.1.3)</a> | ATTACH      |                          | BASE PLY                              | PRIMER                   | SYSTEM                           |                                                                                            |                           |
| 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 DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                      | 6-inch o.c. | (Optional) RS 222 Primer | SBS-AA or SBS-TAF                     | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -105.0                    |
| 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 DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                      | 6-inch o.c. | None                     | SBS-TAF                               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -105.0                    |

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**TABLE 7A: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED THERMAL BARRIER, BONDED WATERPROOFING**  
 REFER TO [TABLE VB-1](#) FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a>                                                                               | THERMAL BARRIER                                                                           |                                  |             | PRIMER                                  | WATERPROOFING <a href="#">(3.1.4)</a> |                          |                                  | OVERBURDEN <a href="#">(3.1.5)</a>                                                         | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------|-------------|-----------------------------------------|---------------------------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|---------------------------|
|            |                                                                                                            | TYPE                                                                                      | ADHESIVE <a href="#">(3.1.3)</a> | ATTACH      |                                         | BASE PLY                              | PRIMER                   | SYSTEM                           |                                                                                            |                           |
| W-3.       | APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                      | 6-inch o.c. | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -105.0                    |
| 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 DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                      | 6-inch o.c. | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -105.0                    |

**TABLE 7B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED WATERPROOFING**

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a>                                                                       | THERMAL BARRIER                                                                                                                                        |                                                                                                                           |                                 | PRIMER | WATERPROOFING <a href="#">(3.1.4)</a> |                          |                                  | OVERBURDEN <a href="#">(3.1.5)</a>                                                         | MDP <a href="#">(PSF)</a> |
|------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------|---------------------------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|---------------------------|
|            |                                                                                                    | TYPE                                                                                                                                                   | FASTENER <a href="#">(4.2.2)</a>                                                                                          | ATTACH <a href="#">(3.1.2E)</a> |        | BASE PLY                              | PRIMER                   | SYSTEM                           |                                                                                            |                           |
| W-5.       | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup>       | None   | SBS-CA3                               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*                    |
| W-6.       | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup>       | None   | SBS-CA3                               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*                    |

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**TABLE 7b: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED WATERPROOFING**

| SYSTEM NO. | DECK (4.1.2)                                                                                       | THERMAL BARRIER                                                                                                                                        |                                                                                                                           |                           | PRIMER                                  | WATERPROOFING (3.1.4) |                          |                                  | OVERBURDEN (3.1.5)                                                                         | MDP (PSF) |
|------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------|-----------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|-----------|
|            |                                                                                                    | TYPE                                                                                                                                                   | FASTENER (4.2.2)                                                                                                          | ATTACH (3.1.2E)           |                                         | BASE PLY              | PRIMER                   | SYSTEM                           |                                                                                            |           |
| W-7.       | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup> | (Optional) ELASTOCOL 500                | SBS-AA or SBS-TAF     | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| W-8.       | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup> | (Optional) ELASTOCOL 500                | SBS-AA or SBS-TAF     | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| W-9.       | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup> | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| W-10.      | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate. | 1 per 2.7 ft <sup>2</sup> | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| W-11.      | Min. 15/32-inch APA rated CDX plywood                                                              | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate                                                                     | 1 per 1.6 ft <sup>2</sup> | (Optional) RS 222 Primer                | SBS-CA3               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5     |

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**TABLE 7b: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED WATERPROOFING**

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a>          | THERMAL BARRIER                                                                                                                                        |                                                       |                                 | PRIMER                                  | WATERPROOFING <a href="#">(3.1.4)</a> |                          |                                  | OVERBURDEN <a href="#">(3.1.5)</a>                                                         | MDP <a href="#">(PSF)</a> |
|------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------|-----------------------------------------|---------------------------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|---------------------------|
|            |                                       | TYPE                                                                                                                                                   | FASTENER <a href="#">(4.2.2)</a>                      | ATTACH <a href="#">(3.1.2E)</a> |                                         | BASE PLY                              | PRIMER                   | SYSTEM                           |                                                                                            |                           |
| W-12.      | Min. 15/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate | 1 per 1.6 ft <sup>2</sup>       | None                                    | SBS-CA3                               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-13.      | Min. 15/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate | 1 per 1.6 ft <sup>2</sup>       | (Optional) ELASTOCOL 500                | SBS-AA or SBS-TAF                     | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-14.      | Min. 15/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate | 1 per 1.6 ft <sup>2</sup>       | (Optional) ELASTOCOL 500                | SBS-AA or SBS-TAF                     | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-15.      | Min. 15/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate | 1 per 1.6 ft <sup>2</sup>       | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-16.      | Min. 15/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate | 1 per 1.6 ft <sup>2</sup>       | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |

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**TABLE 7b: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED WATERPROOFING**

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a>          | THERMAL BARRIER                                                                                                                                        |                                                                                                                                                                     |                                 | PRIMER                                  | WATERPROOFING <a href="#">(3.1.4)</a> |                                |                                  | OVERBURDEN <a href="#">(3.1.5)</a>                                                         | MDP <a href="#">(PSF)</a> |
|------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|---------------------------------------|--------------------------------|----------------------------------|--------------------------------------------------------------------------------------------|---------------------------|
|            |                                       | TYPE                                                                                                                                                   | FASTENER <a href="#">(4.2.2)</a>                                                                                                                                    | ATTACH <a href="#">(3.1.2E)</a> |                                         | BASE PLY                              | PRIMER                         | SYSTEM                           |                                                                                            |                           |
| W-17.      | Min. 15/32-inch APA rated BCX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate | 1 per 1.8 ft²                   | (Optional)<br>RS 222<br>Primer          | SBS-CA3                               | (Optional)<br>RS 222<br>Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-18.      | Min. 15/32-inch APA rated BCX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate | 1 per 1.8 ft²                   | None                                    | SBS-CA3                               | (Optional)<br>RS 222<br>Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-19.      | Min. 15/32-inch APA rated BCX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate | 1 per 1.8 ft²                   | (Optional)<br>ELASTOCOL 500             | SBS-AA or SBS-TAF                     | (Optional)<br>RS 222<br>Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-20.      | Min. 15/32-inch APA rated BCX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate | 1 per 1.8 ft²                   | (Optional)<br>ELASTOCOL 500             | SBS-AA or SBS-TAF                     | (Optional)<br>RS 222<br>Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-21.      | Min. 15/32-inch APA rated BCX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate | 1 per 1.8 ft²                   | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional)<br>RS 222<br>Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |

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**TABLE 7b: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED WATERPROOFING**

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a>          | THERMAL BARRIER                                                                                                                                        |                                                                                                                                                                     |                                 | PRIMER                                  | WATERPROOFING <a href="#">(3.1.4)</a> |                          |                                  | OVERBURDEN <a href="#">(3.1.5)</a>                                                         | MDP <a href="#">(PSF)</a> |
|------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|---------------------------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|---------------------------|
|            |                                       | TYPE                                                                                                                                                   | FASTENER <a href="#">(4.2.2)</a>                                                                                                                                    | ATTACH <a href="#">(3.1.2E)</a> |                                         | BASE PLY                              | PRIMER                   | SYSTEM                           |                                                                                            |                           |
| W-22.      | Min. 15/32-inch APA rated BCX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate | 1 per 1.8 ft²                   | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-23.      | Min. 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate                      | 1 per 1.8 ft²                   | (Optional) RS 222 Primer                | SBS-CA3                               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-24.      | Min. 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate                      | 1 per 1.8 ft²                   | None                                    | SBS-CA3                               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-25.      | Min. 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate                      | 1 per 1.8 ft²                   | (Optional) ELASTOCOL 500                | SBS-AA or SBS-TAF                     | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |
| W-26.      | Min. 19/32-inch APA rated CDX plywood | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate                      | 1 per 1.8 ft²                   | (Optional) ELASTOCOL 500                | SBS-AA or SBS-TAF                     | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5                     |

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**TABLE 7b: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED WATERPROOFING**

| SYSTEM NO. | DECK (4.1.2)                                                   | THERMAL BARRIER                                                                                                                                        |                                                                                                                                                |                           | PRIMER                                  | WATERPROOFING (3.1.4) |                          |                                  | OVERBURDEN (3.1.5)                                                                         | MDP (PSF)           |
|------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------|-----------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|---------------------|
|            |                                                                | TYPE                                                                                                                                                   | FASTENER (4.2.2)                                                                                                                               | ATTACH (3.1.2E)           |                                         | BASE PLY              | PRIMER                   | SYSTEM                           |                                                                                            |                     |
| W-27.      | Min. 19/32-inch APA rated CDX plywood                          | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate | 1 per 1.8 ft <sup>2</sup> | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5               |
| W-28.      | Min. 19/32-inch APA rated CDX plywood                          | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. | Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate | 1 per 1.8 ft <sup>2</sup> | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5               |
| W-29.      | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                              | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.                      | 1 per 4.0 ft <sup>2</sup> | (Optional) RS 222 Primer                | SBS-CA3               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -30.0*<br>(NO HVHZ) |
| W-30.      | APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                              | Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.                      | 1 per 4.0 ft <sup>2</sup> | None                                    | SBS-CA3               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -30.0*<br>(NO HVHZ) |

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**TABLE 7c: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED INSULATION, BONDED WATERPROOFING**

| SYSTEM NO.              | DECK<br>(4.1.2)                                | BASE INSULATION AND/OR THERMAL BARRIER LAYER(S)<br>(3.1.2) | TOP INSULATION LAYER                                                            |                                                                |               | WATERPROOFING (3.1.4) |                                   |                                  | OVERBURDEN (3.1.5)                                                                         | MDP (PSF) |
|-------------------------|------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------|---------------|-----------------------|-----------------------------------|----------------------------------|--------------------------------------------------------------------------------------------|-----------|
|                         |                                                |                                                            | TYPE                                                                            | FASTENERS<br>(4.2.2A)                                          | ATTACH        | BASE PLY              | PRIMER                            | SYSTEM                           |                                                                                            |           |
| NO BASE PLY:            |                                                |                                                            |                                                                                 |                                                                |               |                       |                                   |                                  |                                                                                            |           |
| W-31.                   | Min. 19/32-inch plywood per FBC Section 2322.2 | (Optional) One or more layers, any combination, loose laid | Min. 7/16-inch DEXcell Cement Roof Board or 0.5-inch SECUROCK Cement Roof Board | SOPREMA #14 MP Fastener with SOPREMA 3” Metal Insulation Plate | 1 per 2.0 ft² | None                  | RS 276                            | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| TORCH-APPLIED BASE PLY: |                                                |                                                            |                                                                                 |                                                                |               |                       |                                   |                                  |                                                                                            |           |
| W-32.                   | Min. 19/32-inch plywood per FBC Section 2322.2 | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board               | <a href="#">3.1.1</a>                                          | 1 per 1.6 ft² | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -52.5     |

**TABLE 8A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED THERMAL BARRIER, BONDED WATERPROOFING**

REFER TO [TABLE VB-2](#) FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS

| SYSTEM NO. | DECK (4.1.2)                        | THERMAL BARRIER                                                                           |                  |                 | PRIMER                                  | WATERPROOFING (3.1.4) |                          |                                  | OVERBURDEN (3.1.5)                                                                         | MDP (PSF) |
|------------|-------------------------------------|-------------------------------------------------------------------------------------------|------------------|-----------------|-----------------------------------------|-----------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|-----------|
|            |                                     | TYPE                                                                                      | ADHESIVE (3.1.3) | ATTACH (3.1.2E) |                                         | BASE PLY              | PRIMER                   | SYSTEM                           |                                                                                            |           |
| S-1.       | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365      | 6-inch o.c.     | None                                    | SBS-AA or SBS-TAF     | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5    |
| S-2.       | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365      | 6-inch o.c.     | None                                    | SBS-TAF               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5    |
| S-3.       | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365      | 6-inch o.c.     | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5    |

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**TABLE 8A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED THERMAL BARRIER, BONDED WATERPROOFING**  
 REFER TO [TABLE VB-2](#) FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a>        | THERMAL BARRIER                                                                           |                                  |                                 | PRIMER                                  | WATERPROOFING <a href="#">(3.1.4)</a> |                          |                                  | OVERBURDEN <a href="#">(3.1.5)</a>                                                         | MDP <a href="#">(PSF)</a> |
|------------|-------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|-----------------------------------------|---------------------------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|---------------------------|
|            |                                     | TYPE                                                                                      | ADHESIVE <a href="#">(3.1.3)</a> | ATTACH <a href="#">(3.1.2E)</a> |                                         | BASE PLY                              | PRIMER                   | SYSTEM                           |                                                                                            |                           |
| S-4.       | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                      | 6-inch o.c.                     | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5                    |
| S-5.       | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck Prime                                                              | DUOTACK SPF HFO                  | 12-inch o.c.                    | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0                     |
| S-6.       | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck Prime                                                              | DUOTACK SPF HFO                  | 12-inch o.c.                    | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0                     |
| S-7.       | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK SPF HFO                  | 12-inch o.c.                    | (Optional) RS 222 Primer                | SBS-AA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0                     |
| S-8.       | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                            | DUOTACK SPF HFO                  | 12-inch o.c.                    | ELASTOCOL 500                           | SBS-TAF                               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0                     |
| S-9.       | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                            | DUOTACK SPF HFO                  | 12-inch o.c.                    | ELASTOCOL 500                           | SBS-TAF                               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0                     |
| S-10.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                            | DUOTACK SPF HFO                  | 12-inch o.c.                    | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0                     |

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**TABLE 8A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED THERMAL BARRIER, BONDED WATERPROOFING**  
 REFER TO [TABLE VB-2](#) FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS

| SYSTEM No. | DECK <a href="#">(4.1.2)</a>        | THERMAL BARRIER                                |                                  |                                 | PRIMER                                  | WATERPROOFING <a href="#">(3.1.4)</a> |                          |                                  | OVERBURDEN <a href="#">(3.1.5)</a>                                                         | MDP <a href="#">(PSE)</a> |
|------------|-------------------------------------|------------------------------------------------|----------------------------------|---------------------------------|-----------------------------------------|---------------------------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|---------------------------|
|            |                                     | TYPE                                           | ADHESIVE <a href="#">(3.1.3)</a> | ATTACH <a href="#">(3.1.2E)</a> |                                         | BASE PLY                              | PRIMER                   | SYSTEM                           |                                                                                            |                           |
| S-11.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | DUOTACK SPF HFO                  | 12-inch o.c.                    | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0                     |
| S-12.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck Prime                   | DUOTACK SPF HFO                  | 6-inch o.c.                     | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5                    |
| S-13.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck Prime                   | DUOTACK SPF HFO                  | 6-inch o.c.                     | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5                    |
| S-14.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | DUOTACK SPF HFO                  | 6-inch o.c.                     | ELASTOCOL 500                           | SBS-TAF                               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5                    |
| S-15.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | DUOTACK SPF HFO                  | 6-inch o.c.                     | ELASTOCOL 500                           | SBS-TAF                               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5                    |
| S-16.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | DUOTACK SPF HFO                  | 6-inch o.c.                     | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5                    |
| S-17.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | DUOTACK SPF HFO                  | 6-inch o.c.                     | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5                    |

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**TABLE 8b: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED WATERPROOFING**

| SYSTEM NO. | DECK (4.1.2)                        | THERMAL BARRIER                                                            |                                                       |                           | PRIMER        | WATERPROOFING (3.1.4) |                          |                                  | OVERBURDEN (3.1.5)                                                                         | MDP (PSE) |
|------------|-------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------|---------------------------|---------------|-----------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|-----------|
|            |                                     | TYPE                                                                       | FASTENER (4.2.2)                                      | ATTACH (3.1.2E)           |               | BASE PLY              | PRIMER                   | SYSTEM                           |                                                                                            |           |
| S-18.      | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | None          | SBS-CA3 or SBS-AA     | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-19.      | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | None          | SBS-CA3               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-20.      | Min. 22 ga., Type B, Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                  | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | None          | SBS-CA3               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-21.      | Min. 22 ga., Type B, Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                  | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | None          | SBS-CA3               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-22.      | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | ELASTOCOL 500 | SBS-TAF               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-23.      | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | ELASTOCOL 500 | SBS-TAF               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-24.      | Min. 22 ga., Type B, Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                  | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | None          | SBS-TAF               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-25.      | Min. 22 ga., Type B, Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                  | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | None          | SBS-TAF               | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |

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**TABLE 8b: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED WATERPROOFING**

| SYSTEM NO. | DECK (4.1.2)                        | THERMAL BARRIER                                                                           |                                                       |                           | PRIMER                                  | WATERPROOFING (3.1.4) |                          |                                  | OVERBURDEN (3.1.5)                                                                         | MDP (PSF) |
|------------|-------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------|-----------------------------------------|-----------------------|--------------------------|----------------------------------|--------------------------------------------------------------------------------------------|-----------|
|            |                                     | TYPE                                                                                      | FASTENER (4.2.2)                                      | ATTACH (3.1.2E)           |                                         | BASE PLY              | PRIMER                   | SYSTEM                           |                                                                                            |           |
| S-26.      | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-27.      | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-28.      | Min. 22 ga., Type B, Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                                 | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-29.      | Min. 22 ga., Type B, Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                                 | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIKTRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-30.      | 22 ga., Type B, Grade 40 steel      | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                                           | 12-inch o.c.              | None                                    | SBS-AA or SBS-TAF     | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system       | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-31.      | 22 ga., Type B, Grade 40 steel      | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                                           | 12-inch o.c.              | None                                    | SBS-TAF               | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system       | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-32.      | 22 ga., Type B, Grade 40 steel      | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                                           | 12-inch o.c.              | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system       | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| S-33.      | 22 ga., Type B, Grade 40 steel      | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                                           | 12-inch o.c.              | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system       | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |

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**TABLE 8b: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED WATERPROOFING**

| SYSTEM NO. | DECK (4.1.2)                        | THERMAL BARRIER                                                                                             |                                                       |                           | PRIMER                                  | WATERPROOFING (3.1.4) |                          |                            | OVERBURDEN (3.1.5)                                                                         | MDP (PSF) |
|------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------|-----------------------------------------|-----------------------|--------------------------|----------------------------|--------------------------------------------------------------------------------------------|-----------|
|            |                                     | TYPE                                                                                                        | FASTENER (4.2.2)                                      | ATTACH (3.1.2E)           |                                         | BASE PLY              | PRIMER                   | SYSTEM                     |                                                                                            |           |
| S-34.      | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DEXcell FA Glass Mat Roof Board                                                                    | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | (Optional) RS 222 Primer                | SBS-CA3               | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0     |
| S-35.      | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DEXcell FA Glass Mat Roof Board                                                                    | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | (Optional) RS 222 Primer                | SBS-TAF               | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0     |
| S-36.      | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DEXcell FA Glass Mat Roof Board                                                                    | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | None                                    | SBS-TAF               | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0     |
| S-37.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                  | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | None                                    | SBS-CA3 or SBS-AA     | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -82.5     |
| S-38.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board                                                               | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | None                                    | SBS-AA                | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -82.5     |
| S-39.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | ELASTOCOL 500                           | SBS-TAF               | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -82.5     |
| S-40.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | ELASTOCOL 500                           | SBS-TAF               | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -82.5     |
| S-41.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -82.5     |

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**TABLE 8B: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED WATERPROOFING**

| SYSTEM NO. | DECK (4.1.2)                        | THERMAL BARRIER                                                                                             |                                                       |                           | PRIMER                                  | WATERPROOFING (3.1.4) |                          |                            | OVERBURDEN (3.1.5)                                                                         | MDP (PSF) |
|------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------|-----------------------------------------|-----------------------|--------------------------|----------------------------|--------------------------------------------------------------------------------------------|-----------|
|            |                                     | TYPE                                                                                                        | FASTENER (4.2.2)                                      | ATTACH (3.1.2E)           |                                         | BASE PLY              | PRIMER                   | SYSTEM                     |                                                                                            |           |
| S-42.      | Min. 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup> | ELASTOCOL Stick or ELASTOCOL Stick Zero | SBS-SA                | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -82.5     |

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**TABLE 8c: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER****SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED INSULATION, BONDED WATERPROOFING**

| SYSTEM NO.             | DECK<br>(4.1.2)                    | BASE INSULATION AND/OR THERMAL BARRIER LAYER(S)<br>(3.1.2)     | TOP INSULATION LAYER                     |                                                       |               | WATERPROOFING (3.1.4) |                                   |                            | OVERBURDEN<br>(3.1.5)                                                                      | MDP<br>(PSF) |
|------------------------|------------------------------------|----------------------------------------------------------------|------------------------------------------|-------------------------------------------------------|---------------|-----------------------|-----------------------------------|----------------------------|--------------------------------------------------------------------------------------------|--------------|
|                        |                                    |                                                                | TYPE                                     | FASTENERS<br>(4.2.2A)                                 | ATTACH        | BASE PLY              | PRIMER                            | SYSTEM                     |                                                                                            |              |
| NO BASE PLY:           |                                    |                                                                |                                          |                                                       |               |                       |                                   |                            |                                                                                            |              |
| S-43.                  | Min. 22 ga. Type B, Grade 33 steel | One or more layers, any combination, loose laid                | Min. 7/16-inch DEXcell Cement Roof Board | 3.1.1                                                 | 1 per 2.0 ft² | None                  | RS 276                            | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-44.                  | Min. 22 ga. Type B, Grade 33 steel | One or more layers, any combination, loose laid                | Min. 0.5-inch SECUROCK Cement Roof Board | 3.1.1                                                 | 1 per 1.0 ft² | None                  | RS 276                            | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -82.5        |
| S-45.                  | Min. 22 ga. Type B, Grade 80 steel | One or more layers, any combination, loose laid                | Min. 0.5-inch SECUROCK Cement Roof Board | 3.1.1                                                 | 1 per 1.0 ft² | None                  | RS 276                            | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -150.0       |
| COLD-APPLIED BASE PLY: |                                    |                                                                |                                          |                                                       |               |                       |                                   |                            |                                                                                            |              |
| S-46.                  | Min. 22 ga. Type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 7/16-inch DEXcell Cement Roof Board | SOPREMA #14 MP with SOPREMA 3” Metal Insulation Plate | 1 per 4.0 ft² | SBS-CA3               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-47.                  | Min. 22 ga. Type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.25-inch DensDeck Prime            | SOPREMA #14 MP with SOPREMA 3” Metal Insulation Plate | 1 per 1.8 ft² | SBS-CA3               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -52.5        |
| S-48.                  | Min. 22 ga. Type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime             | SOPREMA #14 MP with SOPREMA 3” Metal Insulation Plate | 1 per 1.8 ft² | SBS-CA3               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5        |
| S-49.                  | Min. 22 ga. Type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime             | SOPREMA #14 MP with SOPREMA 3” Metal Insulation Plate | 1 per 1.6 ft² | SBS-CA3               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0        |
| S-50.                  | Min. 22 ga. Type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime             | 3.1.1                                                 | 1 per 1.0 ft² | SBS-CA3               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -82.5        |
| S-51.                  | Min. 22 ga. Type B, Grade 80 steel | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime             | SOPREMA #14 MP with SOPREMA 3” Metal Insulation Plate | 1 per 1.3 ft² | SBS-CA3               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -90.0        |

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**TABLE 8c: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED INSULATION, BONDED WATERPROOFING**

| SYSTEM NO.                     | DECK<br>(4.1.2)                    | BASE INSULATION AND/OR THERMAL BARRIER LAYER(S)<br>(3.1.2)                | TOP INSULATION LAYER                                               |                                                       |                           | WATERPROOFING (3.1.4) |                                   |                            | OVERBURDEN<br>(3.1.5)                                                                      | MDP<br>(PSE) |
|--------------------------------|------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------|---------------------------|-----------------------|-----------------------------------|----------------------------|--------------------------------------------------------------------------------------------|--------------|
|                                |                                    |                                                                           | TYPE                                                               | FASTENERS<br>(4.2.2A)                                 | ATTACH                    | BASE PLY              | PRIMER                            | SYSTEM                     |                                                                                            |              |
| S-52.                          | Min. 22 ga. Type B, Grade 80 steel | One or more layers, min. 1.5-inch, any combination, loose laid            | Min. 0.5-inch DensDeck Prime                                       | <a href="#">3.1.1</a>                                 | 1 per 1.0 ft <sup>2</sup> | SBS-CA3               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5       |
| S-53.                          | Min. 22 ga. Type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid            | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                     | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | SBS-CA3               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-54.                          | Min. 22 ga. Type B, Grade 80 steel | One or more layers, min. 1.5-inch, any combination, loose laid            | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                     | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup> | SBS-CA3               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -90.0        |
| <b>TORCH-APPLIED BASE PLY:</b> |                                    |                                                                           |                                                                    |                                                       |                           |                       |                                   |                            |                                                                                            |              |
| S-55.                          | Min. 22 ga. Type B, Grade 33 steel | (Optional) One or more layers, any combination, loose laid                | Min. 0.125-inch SOPRABOARD or SOPRABOARD HS                        | <a href="#">3.1.1</a>                                 | 1 per 4.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-56.                          | Min. 22 ga. Type B, Grade 33 steel | (Optional) One or more layers, any combination, loose laid                | Min. 0.125-inch SOPRABOARD or SOPRABOARD HS                        | <a href="#">3.1.1</a>                                 | 1 per 2.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-57.                          | Min. 22 ga. Type B, Grade 33 steel | One or more layers, any combination, loose laid                           | Min. 0.125-inch SOPRABOARD or SOPRABOARD HS                        | <a href="#">3.1.1</a>                                 | 1 per 2.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -60.0        |
| S-58.                          | Min. 22 ga. Type B, Grade 33 steel | One or more layers, any combination, loose laid                           | Min. 0.125-inch SOPRABOARD or SOPRABOARD HS                        | <a href="#">3.1.1</a>                                 | 1 per 2.0 ft <sup>2</sup> | SBS-TAF (D6164 only)  | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5        |
| S-59.                          | Min. 22 ga. Type B, Grade 33 steel | (Optional) One or more layers, min. 1.5-inch, any combination, loose laid | Min. 7/16-inch DEXcell Cement Roof Board                           | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-60.                          | Min. 22 ga. Type B, Grade 33 steel | One or more layers, any combination, loose laid                           | Min. 0.5-inch SECUROCK Cement Roof Board primed with ELASTOCOL 500 | <a href="#">3.1.1</a>                                 | 1 per 1.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -82.5        |

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**TABLE 8c: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED INSULATION, BONDED WATERPROOFING**

| SYSTEM NO. | DECK<br>(4.1.2)                    | BASE INSULATION AND/OR THERMAL BARRIER LAYER(S)<br>(3.1.2)                | TOP INSULATION LAYER                                               |                                                       |                           | WATERPROOFING (3.1.4) |                                   |                            | OVERBURDEN<br>(3.1.5)                                                                      | MDP<br>(PSF) |
|------------|------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------|---------------------------|-----------------------|-----------------------------------|----------------------------|--------------------------------------------------------------------------------------------|--------------|
|            |                                    |                                                                           | TYPE                                                               | FASTENERS<br>(4.2.2A)                                 | ATTACH                    | BASE PLY              | PRIMER                            | SYSTEM                     |                                                                                            |              |
| S-61.      | Min. 22 ga. Type B, Grade 80 steel | One or more layers, any combination, loose laid                           | Min. 0.5-inch SECUROCK Cement Roof Board primed with ELASTOCOL 500 | 3.1.1                                                 | 1 per 1.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -150.0       |
| S-62.      | Min. 22 ga. Type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid            | Min. 0.5-inch DensDeck Prime                                       | 3.1.1                                                 | 1 per 4.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-63.      | Min. 22 ga. Type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid            | Min. 0.5-inch DensDeck Prime                                       | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 1.8 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5        |
| S-64.      | Min. 22 ga. Type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid            | Min. 0.5-inch DensDeck Prime                                       | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 1.6 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0        |
| S-65.      | Min. 22 ga. Type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid            | Min. 0.5-inch DensDeck Prime                                       | 3.1.1                                                 | 1 per 1.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -82.5        |
| S-66.      | Min. 22 ga. Type B, Grade 80 steel | One or more layers, min. 1.5-inch, any combination, loose laid            | Min. 0.5-inch DensDeck Prime                                       | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -90.0        |
| S-67.      | Min. 22 ga. Type B, Grade 80 steel | One or more layers, min. 1.5-inch, any combination, loose laid            | Min. 0.5-inch DensDeck Prime                                       | 3.1.1                                                 | 1 per 1.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -127.5       |
| S-68.      | Min. 22 ga. Type B, Grade 33 steel | (Optional) One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                     | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-69.      | Min. 22 ga. Type B, Grade 33 steel | (Optional) One or more layers, any combination, loose laid                | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                    | 3.1.1                                                 | 1 per 4.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |

**TABLE 8c: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED INSULATION, BONDED WATERPROOFING**

| SYSTEM NO.                     | DECK<br>(4.1.2)                     | BASE INSULATION AND/OR THERMAL BARRIER LAYER(S)<br>(3.1.2)             | TOP INSULATION LAYER                                                                                                                 |                                                       |                           | WATERPROOFING (3.1.4) |                                   |                            | OVERBURDEN<br>(3.1.5)                                                                      | MDP<br>(PSF) |
|--------------------------------|-------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------|-----------------------|-----------------------------------|----------------------------|--------------------------------------------------------------------------------------------|--------------|
|                                |                                     |                                                                        | TYPE                                                                                                                                 | FASTENERS<br>(4.2.2A)                                 | ATTACH                    | BASE PLY              | PRIMER                            | SYSTEM                     |                                                                                            |              |
| S-70.                          | Min. 22 ga. Type B, Grade 33 steel  | One or more layers, min. 1.5-inch, any combination, loose laid         | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                                                                       | <a href="#">3.1.1</a>                                 | 1 per 1.8 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -52.5        |
| S-71.                          | Min. 22 ga. Type B, Grade 33 steel  | One or more layers, min. 1.5-inch, any combination, loose laid         | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board                                                                                     | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -75.0        |
| S-72.                          | Min. 22 ga. Type B, Grade 33 steel  | One or more layers, min. 1.5-inch, any combination, loose laid         | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                                                                       | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -157.5       |
| S-73.                          | Min. 22 ga. Type B, Grade 33 steel  | One or more layers, min. 1.5-inch, any combination, loose laid         | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                                                                       | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 1.0 ft <sup>2</sup> | SBS-TAF               | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -172.5       |
| <b>SELF-ADHERING BASE PLY:</b> |                                     |                                                                        |                                                                                                                                      |                                                       |                           |                       |                                   |                            |                                                                                            |              |
| S-74.                          | Min. 22 ga. Type B, Grade 33 steel  | (Optional) One or more layers, any combination, loose laid             | Min. 0.125-inch SOPRABOARD or SOPRABOARD HS primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | <a href="#">3.1.1</a>                                 | 1 per 2.0 ft <sup>2</sup> | SBS-SA                | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-75.                          | Min. 22 ga., type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid         | Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                   | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | SBS-SA                | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-76.                          | Min. 22 ga. Type B, Grade 33 steel  | (Optional for recover) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                               | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | SBS-SA                | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-77.                          | Min. 22 ga. Type B, Grade 33 steel  | (Optional) One or more layers, any combination, loose laid             | Min. 0.25-inch DensDeck Prime                                                                                                        | <a href="#">3.1.1</a>                                 | 1 per 2.0 ft <sup>2</sup> | SBS-SA                | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |



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**TABLE 8c: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED INSULATION, BONDED WATERPROOFING**

| SYSTEM NO. | DECK<br>(4.1.2)                     | BASE INSULATION AND/OR THERMAL BARRIER LAYER(S)<br>(3.1.2)             | TOP INSULATION LAYER                                                                                                           |                                                       |                           | WATERPROOFING (3.1.4) |                                   |                            | OVERBURDEN<br>(3.1.5)                                                                      | MDP<br>(PSF) |
|------------|-------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------|-----------------------|-----------------------------------|----------------------------|--------------------------------------------------------------------------------------------|--------------|
|            |                                     |                                                                        | TYPE                                                                                                                           | FASTENERS<br>(4.2.2A)                                 | ATTACH                    | BASE PLY              | PRIMER                            | SYSTEM                     |                                                                                            |              |
| S-78.      | Min. 22 ga. Type B, Grade 33 steel  | One or more layers, min. 1.5-inch, any combination, loose laid         | Min. 0.25-inch DensDeck Prime                                                                                                  | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 1.8 ft <sup>2</sup> | SBS-SA                | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -52.5        |
| S-79.      | Min. 22 ga., type B, Grade 33 steel | One or more layers, min. 1.5-inch, any combination, loose laid         | Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC       | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | SBS-SA                | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-80.      | Min. 22 ga. Type B, Grade 33 steel  | (Optional for recover) One or more layers, any combination, loose laid | Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC       | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 1.8 ft <sup>2</sup> | SBS-SA                | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0        |
| S-81.      | Min. 22 ga. Type B, Grade 33 steel  | (Optional for recover) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC       | SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup> | SBS-SA                | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |
| S-82.      | Min. 22 ga. Type B, Grade 33 steel  | (Optional) One or more layers, any combination, loose laid             | Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board primed with D41, ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | <a href="#">3.1.1</a>                                 | 1 per 2.7 ft <sup>2</sup> | SBS-SA                | (Optional) RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*       |

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**TABLE 9A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED INSULATION, BONDED WATERPROOFING**  
 REFER TO [TABLE VB-3](#) FOR VAPOR BARRIER OPTIONS

| SYSTEM No.                            | DECK (4.1.2)                       | INSULATION                                 |                                 | PRIMER                                         | WATERPROOFING (3.1.4) |                                         |                            | SURFACING                                                                                                                                                                         | OVERBURDEN (3.1.5)                                                                                                                                                                                                                                                                                                                                                                  | MDP (PSF) |
|---------------------------------------|------------------------------------|--------------------------------------------|---------------------------------|------------------------------------------------|-----------------------|-----------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|                                       |                                    | TYPE                                       | ATTACH (3.1.3)                  |                                                | BASE PLY              | PRIMER                                  | SYSTEM                     |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                     |           |
| COLD APPLIED BASE PLY WATERPROOFING:  |                                    |                                            |                                 |                                                |                       |                                         |                            |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                     |           |
| C-1.                                  | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | COLPLY EF Adhesive, 6-inch o.c. | (Optional) DETEC “TruGround Conductive Primer” | SBS-CA3               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | 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.                                                           | -267.5    |
| C-2.                                  | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | DUOTACK 365                     | (Optional) DETEC “TruGround Conductive Primer” | SBS-CA3               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | 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.                                                           | -267.5    |
| TORCH APPLIED BASE PLY WATERPROOFING: |                                    |                                            |                                 |                                                |                       |                                         |                            |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                     |           |
| C-3.                                  | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | COLPLY EF Adhesive, 6-inch o.c. | None                                           | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | Wausau Lok-Down, Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) 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     |

**TABLE 9A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED INSULATION, BONDED WATERPROOFING**  
REFER TO [TABLE VB-3](#) FOR VAPOR BARRIER OPTIONS

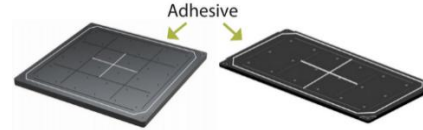
| SYSTEM NO. | DECK<br>(4.1.2)                    | INSULATION                                 |                                 | PRIMER | WATERPROOFING (3.1.4) |                                         |                            | SURFACING                                                                                                                                                                         | OVERBURDEN (3.1.5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MDP<br>(PSF) |
|------------|------------------------------------|--------------------------------------------|---------------------------------|--------|-----------------------|-----------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|            |                                    | TYPE                                       | ATTACH<br>(3.1.3)               |        | BASE PLY              | PRIMER                                  | SYSTEM                     |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |
| C-4.       | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | COLPLY EF Adhesive, 6-inch o.c. | None   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | <p><u>Greenrise Technologies 24x24-inch GRT Pedestal / Paver System:</u></p> <ul style="list-style-type: none"> <li>✓ installed in accordance with <a href="#">Greenrise Technologies</a> requirements.</li> <li>✓ GRT Pedestal base is fully adhered to the waterproofing surface using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS.</li> <li>✓ Nominal 0.4-inch GRT Porcelain Pavers are partially adhered to GRT Structural Grate using 3M™ Polyurethane Adhesive Sealant Fast Cure 550 applied in ½-inch diameter beads at ¼-inch from edge around perimeter of the Grate and in a cross-pattern in the center of the Grate.</li> </ul>  <p>GRT Structural Grate is attached to GRT Pedestal Bases using GRT Fastening Kits.</p> | -120.0       |
| C-5.       | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | COLPLY EF Adhesive, 6-inch o.c. | None   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | <p><u>Greenrise Technologies 24x24-inch GRT Pedestal / Paver System:</u></p> <ul style="list-style-type: none"> <li>✓ installed in accordance with <a href="#">Greenrise Technologies</a> requirements with 2-inch GRT Concrete Pavers fastened using GRT Fastening Kit,</li> <li>✓ GRT Pedestal base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                    | -172.5       |
| C-6.       | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | COLPLY EF Adhesive, 6-inch o.c. | None   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | <p>Drainage: SOPRADRAIN ECOVENT 2 bonded with DUOTACK 365, 6-inch spots in 12 x 12-inch grid (1 per 1 ft<sup>2</sup>)</p> <p>Overburden: Minimum nominal 12 x 12 x 1-inch concrete pavers in ANSI A118.1 dry set mortar, ¾-inch notched trowel per ANSI A108.5</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -252.5       |
| C-7.       | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | COLPLY EF Adhesive, 6-inch o.c. | None   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | <p><u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) 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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -262.5       |

**TABLE 9A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED INSULATION, BONDED WATERPROOFING**  
REFER TO [TABLE VB-3](#) FOR VAPOR BARRIER OPTIONS

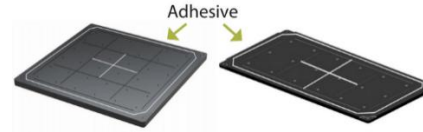
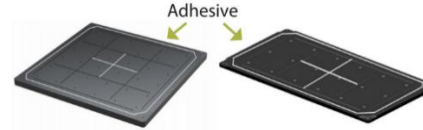
| SYSTEM NO. | DECK<br>(4.1.2)                    | INSULATION                                 |                                 | PRIMER | WATERPROOFING (3.1.4) |                                         |                            | SURFACING                                                                                                                                                                         | OVERBURDEN (3.1.5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MDP<br>(PSF) |
|------------|------------------------------------|--------------------------------------------|---------------------------------|--------|-----------------------|-----------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|            |                                    | TYPE                                       | ATTACH<br>(3.1.3)               |        | BASE PLY              | PRIMER                                  | SYSTEM                     |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |
| C-8.       | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | COLPLY EF Adhesive, 6-inch o.c. | None   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -267.5       |
| C-9.       | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | DUOTACK 365                     | None   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | <u>Wausau Lok-Down, Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) 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-10.      | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | DUOTACK 365                     | None   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | <u>Greenrise Technologies 24x24-inch GRT Pedestal / Paver System:</u> <ul style="list-style-type: none"> <li>✓ installed in accordance with <a href="#">Greenrise Technologies</a> requirements</li> <li>✓ GRT Pedestal base is fully adhered to the waterproofing surface using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS.</li> <li>✓ Nominal 0.4-inch GRT Porcelain Pavers are partially adhered to GRT Structural Grate using 3M™ Polyurethane Adhesive Sealant Fast Cure 550 applied in ½-inch diameter beads at ¼-inch from edge around perimeter of the Grate and in a cross-pattern in the center of the Grate.</li> </ul>  <p>GRT Structural Grate is attached to GRT Pedestal Bases using GRT Fastening Kits.</p> | -120.0       |

**TABLE 9A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED INSULATION, BONDED WATERPROOFING**  
REFER TO [TABLE VB-3](#) FOR VAPOR BARRIER OPTIONS

| SYSTEM NO. | DECK<br>(4.1.2)                    | INSULATION                                 |                   | PRIMER | WATERPROOFING (3.1.4) |                                         |                            | SURFACING                                                                                                                                                                         | OVERBURDEN (3.1.5)                                                                                                                                                                                                                                                                                                                                 | MDP<br>(PSF) |
|------------|------------------------------------|--------------------------------------------|-------------------|--------|-----------------------|-----------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|            |                                    | TYPE                                       | ATTACH<br>(3.1.3) |        | BASE PLY              | PRIMER                                  | SYSTEM                     |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                    |              |
| C-11.      | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | DUOTACK 365       | None   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | <u>Greenrise Technologies 24x24-inch GRT Pedestal / Paver System:</u><br>✓ installed in accordance with <a href="#">Greenrise Technologies</a> requirements with 2-inch GRT Concrete Pavers fastened using GRT Fastening Kit,<br>✓ GRT Pedestal base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS.                           | -172.5       |
| C-12.      | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | DUOTACK 365       | None   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | Drainage: SOPRADRAIN ECOVENT 2 bonded with DUOTACK 365, 6-inch spots in 12 x 12-inch grid (1 per 1 ft²)<br>Overburden: Minimum nominal 12 x 12 x 1-inch concrete pavers in ANSI A118.1 dry set mortar, ¾-inch notched trowel per ANSI A108.5                                                                                                       | -252.5       |
| C-13.      | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | DUOTACK 365       | None   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | <u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) 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. | -262.5       |
| C-14.      | Min. 2,500 psi structural concrete | Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | DUOTACK 365       | None   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | 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.                          | -267.5       |

**TABLE 9A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED INSULATION, BONDED WATERPROOFING**  
REFER TO [TABLE VB-3](#) FOR VAPOR BARRIER OPTIONS

| SYSTEM NO. | DECK<br>(4.1.2)                    | INSULATION                                                                                                                                                                     |                          | PRIMER | WATERPROOFING (3.1.4) |                                            |                            | SURFACING                                                                                                                                                                         | OVERBURDEN (3.1.5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MDP<br>(PSF) |
|------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------|-----------------------|--------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|            |                                    | TYPE                                                                                                                                                                           | ATTACH<br>(3.1.3)        |        | BASE PLY              | PRIMER                                     | SYSTEM                     |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |
| C-15.      | Min. 2,500 psi structural concrete | Base: (Optional)<br>Min. 1.5-inch SOPRA-ISOs,<br>SOPRA-ISO+s,<br>SOPRA-ISO-r,<br>SOPRA-ISO+r,<br>Multi-Max FA3 or Ultra-Max<br>Top: Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | DUOTACK 365, 6-inch o.c. | None   | SBS-TAF               | (Optional)<br>ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | <p><u>Greenrise Technologies 24x24-inch GRT Pedestal / Paver System:</u></p> <ul style="list-style-type: none"> <li>✓ installed in accordance with <a href="#">Greenrise Technologies</a> requirements</li> <li>✓ GRT Pedestal base is fully adhered to the waterproofing surface using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS.</li> <li>✓ Nominal 0.4-inch GRT Porcelain Pavers are partially adhered to GRT Structural Grate using 3M™ Polyurethane Adhesive Sealant Fast Cure 550 applied in ½-inch diameter beads at ¼-inch from edge around perimeter of the Grate and in a cross-pattern in the center of the Grate.</li> </ul>  <p>GRT Structural Grate is attached to GRT Pedestal Bases using GRT Fastening Kits.</p> | -120.0       |
| C-16.      | Min. 2,500 psi structural concrete | Base: (Optional)<br>Min. 1.5-inch SOPRA-ISOs,<br>SOPRA-ISO+s,<br>SOPRA-ISO-r,<br>SOPRA-ISO+r,<br>Multi-Max FA3 or Ultra-Max<br>Top: Min. 0.25-inch SOPRABOARD or SOPRABOARD HS | DUOTACK 365, 6-inch o.c. | None   | SBS-TAF               | (Optional)<br>ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | <p><u>Greenrise Technologies 24x24-inch GRT Pedestal / Paver System:</u></p> <ul style="list-style-type: none"> <li>✓ installed in accordance with <a href="#">Greenrise Technologies</a> requirements with 2-inch GRT Concrete Pavers fastened using GRT Fastening Kit,</li> <li>✓ GRT Pedestal base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                   | -172.5       |

**NEMO EVALUATIONS REPORT**

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SOPREMA, Inc.

FL47474-R2



ISO/IEC 17065

PCA-145

**TABLE 9A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED INSULATION, BONDED WATERPROOFING**  
REFER TO [TABLE VB-3](#) FOR VAPOR BARRIER OPTIONS

| SYSTEM NO. | DECK<br><a href="#">(4.1.2)</a>    | INSULATION                                                                                                                                                                                   |                                   | PRIMER | WATERPROOFING <a href="#">(3.1.4)</a> |                                                  |                               | SURFACING                                                                                                                                                                         | OVERBURDEN <a href="#">(3.1.5)</a>                                                                                                                                                                                                                                                                                                                 | MDP<br><a href="#">(PSF)</a> |
|------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------|---------------------------------------|--------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|            |                                    | TYPE                                                                                                                                                                                         | ATTACH<br><a href="#">(3.1.3)</a> |        | BASE PLY                              | PRIMER                                           | SYSTEM                        |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                    |                              |
| C-17.      | Min. 2,500 psi structural concrete | Base: (Optional)<br>Min. 1.5-inch<br>SOPRA-ISOs,<br>SOPRA-ISO+s,<br>SOPRA-ISOr,<br>SOPRA-ISO+r,<br>Multi-Max FA3<br>or Ultra-Max<br>Top: Min. 0.25-inch<br>SOPRABOARD<br>or<br>SOPRABOARD HS | DUOTACK<br>365, 6-inch<br>o.c.    | None   | SBS-TAF                               | (Optional)<br>ALSAN RS<br>222 or RS LO<br>Primer | ALSAN TRAFIK<br>RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | <u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) 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. | -271.5                       |

**TABLE 9B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-2: ALSAN TRAFIK RS 730: BONDED WATERPROOFING, BONDED INSULATION**

| SYSTEM No. | DECK<br>(4.1.2)                 | PRIMER<br>(3.1.4)                               | WATERPROOFING<br>(3.1.4)   | SURFACING                                                                                                                                                                         | INSULATION                                                                                                                         |                           | OVERBURDEN (3.1.5)                                                                                                                                                                                                                                                                                                                                             | MDP<br>(PSF) |
|------------|---------------------------------|-------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|            |                                 |                                                 |                            |                                                                                                                                                                                   | TYPE                                                                                                                               | ATTACH<br>(3.1.3)         |                                                                                                                                                                                                                                                                                                                                                                |              |
| C-18.      | Min. 2,500 psi struct. Concrete | ALSAN RS 222, RS 276 or RS LO Primer or AVC-SG3 | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | 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-19.      | Min. 2,500 psi struct. concrete | ALSAN RS 222, RS 276 or RS LO Primer or AVC-SG3 | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | Min. 1.5-inch SOPRA-XPS (min. 60-psi)                                                                                              | DUOTACK 365, 12-inch o.c. | <u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) requirements to the satisfaction of the Authority Having Jurisdiction.<br>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       |
| C-20.      | Min. 2,500 psi struct. concrete | ALSAN RS 222, RS 276 or RS LO Primer or AVC-SG3 | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | 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-21.      | Min. 2,500 psi struct. Concrete | ALSAN RS 222, RS 276 or RS LO Primer or AVC-SG3 | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | Min. 1.5-inch Dupont Styrofoam High Load 60 or PlazaMate                                                                           | DUOTACK 365, 12-inch o.c. | <u>Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System</u> installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) requirements to the satisfaction of the Authority Having Jurisdiction.<br>The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base.          | -255.0       |

**TABLE 9B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-2: ALSAN TRAFIK RS 730: BONDED WATERPROOFING, BONDED INSULATION**

| System No. | Deck<br><a href="#">(4.1.2)</a> | Primer<br><a href="#">(3.1.4)</a> | Waterproofing <a href="#">(3.1.4)</a> |                                         |                            | Surfacing                                                                                                                                                                      | Insulation                            |                                   | Overburden <a href="#">(3.1.5)</a>                                                                                                                                                                                                                                                                                                          | MDP<br><a href="#">(psf)</a> |
|------------|---------------------------------|-----------------------------------|---------------------------------------|-----------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|            |                                 |                                   | Base Ply                              | Primer                                  | System                     |                                                                                                                                                                                | Type                                  | Attach<br><a href="#">(3.1.3)</a> |                                                                                                                                                                                                                                                                                                                                             |                              |
| C-22.      | Min. 2,500 psi struct. Concrete | ELASTOCOL 500                     | SBS-TAF                               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | Min. 1.5-inch SOPRA-XPS (min. 60-psi) | DUOTACK 365, 12-inch o.c.         | Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) 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. | -230.0                       |

**TABLE 9C: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE F: ALSAN TRAFIK RS 730: NON-INSULATED, BONDED WATERPROOFING COVER**

| System No. | Deck<br><a href="#">(4.1.2)</a> | Primer<br><a href="#">(3.1.4)</a>               | Waterproofing <a href="#">(3.1.4)</a> |                                         |                            | Surfacing                                                                                                                                                                         | Drainage | Overburden <a href="#">(3.1.5)</a>                                                                                                                                                                                                                                                                                                                                                  | MDP<br><a href="#">(psf)</a> |
|------------|---------------------------------|-------------------------------------------------|---------------------------------------|-----------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|            |                                 |                                                 | Base Ply                              | Primer                                  | System                     |                                                                                                                                                                                   |          |                                                                                                                                                                                                                                                                                                                                                                                     |                              |
| C-23.      | Min. 2,500 psi struct. concrete | ALSAN RS 222, RS 276 or RS LO Primer or AVC-SG3 | None                                  | None                                    | ALSAN TRAFIK RS 730 system | (Optional) See Table 6a                                                                                                                                                           | None     | Drainage board and structural concrete topping slab                                                                                                                                                                                                                                                                                                                                 | N/A                          |
| C-24.      | Min. 2,500 psi struct. concrete | ASTM D41, ELASTOCOL 500, ELASTOCOL Stick        | SBS-TAF, torch-applied                | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | (Optional) See Table 6a                                                                                                                                                           | None     | Drainage board and structural concrete topping slab                                                                                                                                                                                                                                                                                                                                 | N/A                          |
| C-25.      | Min. 2,500 psi struct. concrete | ALSAN RS 222, RS 276 or RS LO Primer or AVC-SG3 | None                                  | None                                    | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | None     | Wausau Lok-Down, Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) 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-26.      | Min. 2,500 psi struct. concrete | ASTM D41, ELASTOCOL 500, ELASTOCOL Stick        | SBS-TAF, torch-applied                | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | None     | Wausau Lok-Down, Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) 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                        |

**TABLE 9c: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE F: ALSAN TRAFIK RS 730: NON-INSULATED, BONDED WATERPROOFING COVER**

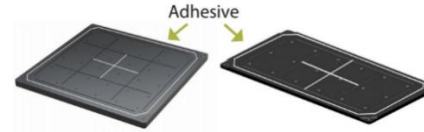
| System No. | Deck (4.1.2)                    | Primer (3.1.4)                                  | Waterproofing (3.1.4) |                                         |                            | Surfacing                                                                                                                                                                         | Drainage | Overburden (3.1.5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MDP (psf) |
|------------|---------------------------------|-------------------------------------------------|-----------------------|-----------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|            |                                 |                                                 | Base Ply              | Primer                                  | System                     |                                                                                                                                                                                   |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |
| C-27.      | Min. 2,500 psi struct. concrete | ALSAN RS 222, RS 276 or RS LO Primer or AVC-SG3 | None                  | None                                    | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface.    | None     | Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) requirements to the satisfaction of the Authority Having Jurisdiction.<br>The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -262.5    |
| C-28.      | Min. 2,500 psi struct. Concrete | ELASTOCOL 500                                   | SBS-TAF               | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface.    | None     | Wausau Hidden Lok-Down, Hidden Lok-Down IPE or Terra-Grid System installed in accordance with Wausau Tile, Inc. (FL46318 / NOA 23-0201.04) requirements to the satisfaction of the Authority Having Jurisdiction.<br>The Terra-Stand base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS applied at 2.25 fl. oz. per base.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -262.5    |
| C-29.      | Min. 2,500 psi struct. Concrete | None                                            | SBS-CA2, 6-inch o.c.  | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | None     | <p><u>Greenrise Technologies 24x24-inch GRT Pedestal / Paver System:</u></p> <ul style="list-style-type: none"> <li>✓ installed in accordance with <a href="#">Greenrise Technologies</a> requirements</li> <li>✓ GRT Pedestal base is fully adhered to the waterproofing surface using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS.</li> <li>✓ Nominal 0.4-inch GRT Porcelain Pavers are partially adhered to GRT Structural Grate using 3M™ Polyurethane Adhesive Sealant Fast Cure 550 applied in ½-inch diameter beads at ¼-inch from edge around perimeter of the Grate and in a cross-pattern in the center of the Grate.</li> </ul>  <p>GRT Structural Grate is attached to GRT Pedestal Bases using GRT Fastening Kits.</p> | -120.0    |
| C-30.      | Min. 2,500 psi struct. Concrete | None                                            | SBS-CA2, 6-inch o.c.  | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | None     | <p><u>Greenrise Technologies 24x24-inch GRT Pedestal / Paver System:</u></p> <ul style="list-style-type: none"> <li>✓ installed in accordance with <a href="#">Greenrise Technologies</a> requirements with 2-inch GRT Concrete Pavers fastened using GRT Fastening Kit,</li> <li>✓ GRT Pedestal base is fully adhered using 3M™ Scotch-Weld™ Pedestal Adhesive DP6330NS.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                     | -172.5    |

**TABLE 9c: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE F: ALSAN TRAFIK RS 730: NON-INSULATED, BONDED WATERPROOFING COVER**

| System No. | Deck (4.1.2)                    | Primer (3.1.4)                                  | Waterproofing (3.1.4)  |                                         |                            | Surfacing                                                                                                                                                                         | Drainage                                                                                                            | Overburden (3.1.5)                                                                                                                                                                                                                                                                                      | MDP (psf) |
|------------|---------------------------------|-------------------------------------------------|------------------------|-----------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|            |                                 |                                                 | Base Ply               | Primer                                  | System                     |                                                                                                                                                                                   |                                                                                                                     |                                                                                                                                                                                                                                                                                                         |           |
| C-31.      | Min. 2,500 psi struct. Concrete | None                                            | SBS-CA2, 6-inch o.c.   | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | SOPRADRAIN ECOVENT 2 bonded with DUOTACK 365, 6-inch diameter spots in 12 x 12-inch grid (1 per 1 ft <sup>2</sup> ) | 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                                                                                     | -180.0    |
| C-32.      | Min. 2,500 psi struct. Concrete | None                                            | SBS-CA2, 6-inch o.c.   | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | None                                                                                                                | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Minimum nominal 12 x 12-inch exterior grade ceramic or porcelain plaza deck tile 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 | -180.0    |
| C-33.      | Min. 2,500 psi struct. Concrete | ALSAN RS 222, RS 276 or RS LO Primer or AVC-SG3 | None                   | None                                    | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | SOPRADRAIN ECOVENT 2 bonded with DUOTACK 365, 6-inch diameter spots in 12 x 12-inch grid (1 per 1 ft <sup>2</sup> ) | 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                                                                                     | -252.5    |
| C-34.      | Min. 2,500 psi struct. Concrete | None                                            | SBS-CA3                | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | SOPRADRAIN ECOVENT 2 bonded with DUOTACK 365, 6-inch diameter spots in 12 x 12-inch grid (1 per 1 ft <sup>2</sup> ) | 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                                                                                     | -252.5    |
| C-35.      | Min. 2,500 psi struct. Concrete | ASTM D41, ELASTOCOL 500, ELASTOCOL Stick        | SBS-TAF, torch-applied | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | SOPRADRAIN ECOVENT 2 bonded with DUOTACK 365, 6-inch diameter spots in 12 x 12-inch grid (1 per 1 ft <sup>2</sup> ) | 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                                                                                     | -252.5    |
| C-36.      | Min. 2,500 psi struct. Concrete | None                                            | SBS-CA3                | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | None                                                                                                                | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Minimum nominal 12 x 12-inch exterior grade ceramic or porcelain plaza deck tile 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 | -267.5    |
| C-37.      | Min. 2,500 psi struct. Concrete | ASTM D41, ELASTOCOL 500, ELASTOCOL Stick        | SBS-TAF, torch-applied | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | None                                                                                                                | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Minimum nominal 12 x 12-inch exterior grade ceramic or porcelain plaza deck tile 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 | -267.5    |



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**TABLE 9c: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE F: ALSAN TRAFIK RS 730: NON-INSULATED, BONDED WATERPROOFING COVER**

| System No. | Deck (4.1.2)                    | Primer (3.1.4)                                  | Waterproofing (3.1.4) |        |                            | Surfacing                                                                                                                                                                         | Drainage | Overburden (3.1.5)                                                                                                                                                                                                                                                                                      | MDP (psf) |
|------------|---------------------------------|-------------------------------------------------|-----------------------|--------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|            |                                 |                                                 | Base Ply              | Primer | System                     |                                                                                                                                                                                   |          |                                                                                                                                                                                                                                                                                                         |           |
| C-38.      | Min. 2,500 psi struct. Concrete | ALSAN RS 222 or RS LO or Primer AVC-SG3         | None                  | None   | ALSAN TRAFIK RS 730 system | (Optional) See Table 6a                                                                                                                                                           | None     | None                                                                                                                                                                                                                                                                                                    | -845.0    |
| C-39.      | Min. 2,500 psi struct. concrete | ALSAN RS 222, RS 276, RS LO Primer or AVC-SG3   | None                  | None   | ALSAN TRAFIK RS 730 system | (Optional) See Table 6a                                                                                                                                                           | None     | None                                                                                                                                                                                                                                                                                                    | -940.0    |
| C-40.      | Min. 2,500 psi struct. concrete | ALSAN RS 222, RS 276 or RS LO Primer or AVC-SG3 | None                  | None   | ALSAN TRAFIK RS 730 system | Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | None     | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Minimum nominal 12 x 12-inch exterior grade ceramic or porcelain plaza deck tile or minimum nominal 12 x 12 x 1-inch concrete pavers in ANSI A118.1 dry set mortar, ¾-inch notched trowel per ANSI A108.5 | -940.0    |

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

| System No. | Deck (4.1.2)                    | Primer (3.1.4)                               | Waterproofing (3.1.4) |                                                                                                        |                     | Surfacing                                                                                                                                                    | Overburden (3.1.5)                                                                                                                                                                                        | MDP (psf) |
|------------|---------------------------------|----------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|            |                                 |                                              | Base Coat             | Intermediate Coat                                                                                      | Top Coat            |                                                                                                                                                              |                                                                                                                                                                                                           |           |
| C-41.      | Min. 3,500 psi struct. concrete | (Optional) LymTal "Iso-Flex Primer Epoxy SF" | ALSAN TRAFIK PU 211   | (Optional) ALSAN TRAFIK PU 411 followed by silica sand to refusal. Once cured, remove loose aggregate. | ALSAN TRAFIK PU 411 | Silica sand broadcast at 10-15 lbs/square into wet top coat and backrolled to encapsulate. On drying, remove all loose aggregate.                            | N/A                                                                                                                                                                                                       | -1,282.5  |
| C-42.      | Min. 3,500 psi struct. concrete | (Optional) LymTal "Iso-Flex Primer Epoxy SF" | ALSAN TRAFIK PU 211   | LymTal "Iso-Flex Primer Epoxy SF"                                                                      | None                | 20-40 mesh silica sand broadcast at 10-15 lbs/square into wet Iso-Flex Primer Epoxy SF and backrolled to encapsulate. On drying, remove all loose aggregate. | Minimum nominal 12 x 12-inch exterior grade ceramic or porcelain plaza deck tile or minimum nominal 12 x 12 x 1-inch concrete pavers in ANSI A118.1 dry set mortar, ¾-inch notched trowel per ANSI A108.5 | -1,282.5  |

**TABLE 9E: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE F: ALSAN TRAFIK RS 730: NON-INSULATED, BONDED WATERPROOFING COVER**

| System No. | Primer                                | Waterproofing (3.1.4) |         |                          |                            | Overburden (3.1.5)                                                                         | MDP (psf) |
|------------|---------------------------------------|-----------------------|---------|--------------------------|----------------------------|--------------------------------------------------------------------------------------------|-----------|
|            |                                       | Base Ply              | Ply     | Primer                   | System                     |                                                                                            |           |
| C-43.      | none                                  | SBS-CA3               | None    | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -255.0    |
| C-44.      | ASTM D41, ELASTOCOL 500               | SBS-CA3               | None    | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -270.0    |
| C-45.      | ASTM D41                              | SBS-AA                | None    | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -270.0    |
| C-46.      | ELASTOCOL Stick, ELASTOCOL Stick Zero | SBS-SA                | None    | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -315.0    |
| C-47.      | ASTM D41                              | SBS-TAF               | None    | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -382.5    |
| C-48.      | (Optional) ASTM D41, ELASTOCOL 500    | SBS-CA3               | None    | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -222.5    |
| C-49.      | ASTM D41                              | SBS-AA                | None    | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -222.5    |
| C-50.      | ASTM D41                              | SBS-TAF               | None    | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -222.5    |
| C-51.      | ELASTOCOL Stick, ELASTOCOL Stick Zero | SBS-SA                | None    | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -222.5    |
| C-52.      | ASTM D41                              | SBS-AA                | None    | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -210.0    |
| C-53.      | ASTM D41                              | SBS-TAF               | None    | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -367.5    |
| C-54.      | none                                  | SBS-CA3               | SBS-CA3 | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -255.0    |
| C-55.      | ASTM D41, ELASTOCOL 500               | SBS-CA3               | SBS-CA3 | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -270.0    |



**TABLE 9E: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE F: ALSAN TRAFIK RS 730: NON-INSULATED, BONDED WATERPROOFING COVER**

| System No. | Primer                                | Waterproofing (3.1.4) |         |                          |                            | Overburden (3.1.5)                                                                         | MDP (psf) |
|------------|---------------------------------------|-----------------------|---------|--------------------------|----------------------------|--------------------------------------------------------------------------------------------|-----------|
|            |                                       | Base Ply              | Ply     | Primer                   | System                     |                                                                                            |           |
| C-56.      | ASTM D41                              | SBS-AA                | SBS-AA  | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -270.0    |
| C-57.      | ELASTOCOL Stick, ELASTOCOL Stick Zero | SBS-SA                | SBS-SA  | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -315.0    |
| C-58.      | ASTM D41                              | SBS-TAF               | SBS-TAF | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -382.5    |
| C-59.      | ASTM D41                              | SBS-AA                | SBS-AA  | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -210.0    |
| C-60.      | ASTM D41                              | SBS-TAF               | SBS-TAF | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -367.5    |

**TABLE 9F: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE F: ALSAN TRAFIK RS CONCRETE SURFACING: NON-INSULATED, BONDED SURFACING**

Note: If using surfacing as waterproofing, the full ALSAN TRAFIK RS 730 system is required at all flashings, transitions, and cracks prior to applying surfacings.

| System No. | Primer                         | Surfacing (3.1.4)                                                                                                                                                                                                                                                                                                   | Overburden (3.1.5)                                                                                                                                                                                        | MDP (psf) |
|------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| C-61.      | ALSAN RS 276 Primer, 1 gal/sq. | ALSAN TRAFIK RS 789 LT, ALSAN TRAFIK RS 790 HT, or ALSAN TRAFIK RS 733 Self-Leveling Mortar                                                                                                                                                                                                                         | (Optional) As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction                                                                                                     | -470.0    |
| C-62.      | ALSAN RS 276 Primer, 1 gal/sq. | ALSAN TRAFIK RS 789 LT, ALSAN TRAFIK RS 790 HT, or ALSAN TRAFIK RS 733 Self-Leveling Mortar. Embedment coat of ALSAN TRAFIK 787 CF at 0.06 kg/sq. (26 wet-mil) followed by quartz aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface prior to overburden installation. | Minimum nominal 12 x 12-inch exterior grade ceramic or porcelain plaza deck tile or minimum nominal 12 x 12 x 1-inch concrete pavers in ANSI A118.1 dry set mortar, ¾-inch notched trowel per ANSI A108.5 | -470.0    |

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**TABLE 10A: DECK WITH LIGHTWEIGHT CONCRETE – NEW CONSTRUCTION**  
**SYSTEM TYPE F: ALSAN TRAFIK RS 730: LWC TO DECK, BONDED WATERPROOFING**

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

| Sys. No.                      | Deck<br>(4.1.2)                 | Temp<br>Roof / VB                                  | Lightweight Concrete<br>(3.1.2d)                                                                                                                    | Primer                                              | Waterproofing (3.1.4) |      |                                         |                            | Surfacing                                                                                                                                                                                                                | Overburden (3.1.5)                                                                                                                                                                                                                                                                                      | MDP<br>(psf) |
|-------------------------------|---------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------|------|-----------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|                               |                                 |                                                    |                                                                                                                                                     |                                                     | Base Ply              | Ply  | Primer                                  | System                     |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                         |              |
| Celcore (FL2037):             |                                 |                                                    |                                                                                                                                                     |                                                     |                       |      |                                         |                            |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                         |              |
| LWC-1.                        | Min. 2,500 psi struct. 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. | None | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | (Required for tile / paver overburden) Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Minimum nominal 12 x 12-inch exterior grade ceramic or porcelain plaza deck tile 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 | -60.0        |
| Concrecel (FL5584 & FL10500): |                                 |                                                    |                                                                                                                                                     |                                                     |                       |      |                                         |                            |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                         |              |
| LWC-2.                        | Min. 2,500 psi struct. 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. | None | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | (Required for tile / paver overburden) Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Minimum nominal 12 x 12-inch exterior grade ceramic or porcelain plaza deck tile 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 | -60.0        |

**TABLE 10A: DECK WITH LIGHTWEIGHT CONCRETE – NEW CONSTRUCTION**  
**SYSTEM TYPE F: ALSAN TRAFIK RS 730: LWC TO DECK, BONDED WATERPROOFING**

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

| SYS. No.                                             | DECK (4.1.2)                    | TEMP ROOF / VB | LIGHTWEIGHT CONCRETE (3.1.2d)                                                                                                                                                                                                                                                          | PRIMER                                              | WATERPROOFING (3.1.4) |      |                                         |                            | SURFACING                                                                                                                                                                                                                | OVERBURDEN (3.1.5)                                                                                                                                                                                                                                                                                      | MDP (PSF) |
|------------------------------------------------------|---------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------|------|-----------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|                                                      |                                 |                |                                                                                                                                                                                                                                                                                        |                                                     | BASE PLY              | PLY  | PRIMER                                  | SYSTEM                     |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                         |           |
| ELASTIZELL (FL4994):                                 |                                 |                |                                                                                                                                                                                                                                                                                        |                                                     |                       |      |                                         |                            |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                         |           |
| LWC-3.                                               | Min. 2,500 psi struct. 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. | None | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | (Required for tile / paver overburden) Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Minimum nominal 12 x 12-inch exterior grade ceramic or porcelain plaza deck tile 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 | -60.0     |
| PRE-EXISTENT CELLULAR LIGHTWEIGHT CONCRETE (3.1.2d): |                                 |                |                                                                                                                                                                                                                                                                                        |                                                     |                       |      |                                         |                            |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                         |           |
| LWC-4.                                               | Min. 2,500 psi struct. concrete | 4.3.1b         | Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat<br><i>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.</i> | None                                                | SBS-CA2, 12-inch o.c. | None | (Optional) ALSAN RS 222 or RS LO Primer | ALSAN TRAFIK RS 730 system | (Required for tile / paver overburden) Embedment coat of ALSAN TRAFIK RS 730 at 1.0 gal/sq. followed by ALSAN RS Quartz Aggregate broadcast into wet embedment coat. On drying, loose aggregate is broomed from surface. | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction or Minimum nominal 12 x 12-inch exterior grade ceramic or porcelain plaza deck tile 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 | -60.0     |

**TABLE 11A: CEMENTITIOUS WOOD FIBER DECKS -**  
**SYSTEM TYPE A-1: ALSAN TRAFIK RS 730: BONDED INSULATION, BONDED WATERPROOFING**

REFER TO [TABLE VB-5](#) FOR VAPOR BARRIER OPTIONS

| SYSTEM NO. | INSULATION LAYER                            |                                  |                     | WATERPROOFING <a href="#">(3.1.4)</a> |                                       |                          |                            | OVERBURDEN <a href="#">(3.1.5)</a>                                                         | MDP <a href="#">(PSF)</a> |
|------------|---------------------------------------------|----------------------------------|---------------------|---------------------------------------|---------------------------------------|--------------------------|----------------------------|--------------------------------------------------------------------------------------------|---------------------------|
|            | TYPE                                        | ADHESIVE <a href="#">(3.1.3)</a> | ATTACH              | BASE PLY                              | PLY                                   | PRIMER                   | SYSTEM                     |                                                                                            |                           |
| CWF-       | Min. 0.125-inch SOPRABOARD or SOPRABOARD HS | DUOTACK 365 or DUOTACK SPF HFO   | ribbons 6-inch o.c. | SBS-CA3, SBS-AA or SBS-TAF            | (Optional) SBS-CA3, SBS-AA or SBS-TAF | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -272.0                    |
| CWF-       | SOPRASMART Board 180 Sanded                 | DUOTACK 365 or DUOTACK SPF HFO   | ribbons 6-inch o.c. | SBS-CA3, SBS-AA or SBS-TAF            | (Optional) SBS-CA3, SBS-AA or SBS-TAF | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -272.5                    |
| CWF-       | SOPRASMART Board 180                        | DUOTACK 365 or DUOTACK SPF HFO   | ribbons 6-inch o.c. | SBS-TAF                               | (Optional) SBS-CA3, SBS-AA or SBS-TAF | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -272.5                    |
| CWF-       | SOPRASMART Board 180                        | DUOTACK 365 or DUOTACK SPF HFO   | ribbons 6-inch o.c. | SBS-TAF (film-top-surface)            | SBS-TAF                               | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -272.5                    |

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**TABLE 11b: CEMENTITIOUS WOOD FIBER DECKS -****SYSTEM TYPE C-1: ALSAN TRAFIK RS 730: MECHANICALLY ATTACHED INSULATION, BONDED WATERPROOFING**

| SYSTEM No. | INSULATION LAYER                            |                                  |                           | WATERPROOFING (3.1.4)      |                                       |                          |                            | OVERBURDEN (3.1.5)                                                                         | MDP (PSF) |
|------------|---------------------------------------------|----------------------------------|---------------------------|----------------------------|---------------------------------------|--------------------------|----------------------------|--------------------------------------------------------------------------------------------|-----------|
|            | TYPE                                        | FASTENER (4.2.2)                 | ATTACH                    | BASE PLY                   | PLY                                   | PRIMER                   | SYSTEM                     |                                                                                            |           |
| CWF-       | Min. 0.125-inch SOPRABOARD or SOPRABOARD HS | Trufast Twin Loc-Nail (1.8-inch) | 1 per 1.8 ft <sup>2</sup> | SBS-CA3, SBS-AA or SBS-TAF | (Optional) SBS-CA3, SBS-AA or SBS-TAF | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -45.0*    |
| CWF-       | Min. 0.125-inch SOPRABOARD or SOPRABOARD HS | Trufast Twin Loc-Nail (1.8-inch) | 1 per 1.0 ft <sup>2</sup> | SBS-CA3, SBS-AA or SBS-TAF | (Optional) SBS-CA3, SBS-AA or SBS-TAF | (Optional) RS 222 Primer | ALSAN TRAFIK RS 730 system | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -67.5     |

**TABLE 12a: RECOVER APPLICATIONS****SYSTEM TYPE F: NON-INSULATED, BONDED WATERPROOFING**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new roof cover when adhered to the substrate, irrespective of the deck type or performance of the substrate. The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

| SYSTEM No. | SUBSTRATE (4.1.2, 4.2.2)                                  | TREATMENT                   | ROOF COVER (3.1.4)  | OVERBURDEN (3.1.5)                                                                         | MDP (PSF) |
|------------|-----------------------------------------------------------|-----------------------------|---------------------|--------------------------------------------------------------------------------------------|-----------|
| R-1        | Existing granule surfaced SBS modified bitumen roof cover | Remove loose granules       | ALSAN TRAFIK RS 730 | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -217.5    |
| R-2        | Existing fully-adhered, PVC single ply roof cover         | Clean with ALSAN RS Cleaner | ALSAN TRAFIK RS 730 | As specified by the Designer of Record and acceptable to the Authority Having Jurisdiction | -217.5    |