



NEMO EVALUATIONS REPORT

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Simon Roofing & Sheet Metal Corp. dba SR
Products
FL28682-R7

Nemo|cert.

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

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NEMO EVALUATION REPORT (NER)



SR PRODUCTS
CUSTOMER SATISFACTION SINCE 1900

Simon Roofing & Sheet Metal Corp. dba SR Products

70 Karago Avenue
Youngstown, OH 44512
(740) 704-0416

SUBJECT: CLP Roof Systems

SCOPE: This NEMO Evaluation Report (henceforth 'NER') is issued under F.A.C. [Rule 61G20-3](#) and the applicable rules and regulations governing Product Approval of construction materials in the State of Florida and ISO/IEC 17065 via [NEMO|cert.](#) NEMO Evaluations has evaluated the product described herein for compliance with the [Code sections noted herein](#).

CODES: 2023 Florida Building Code, 8th Edition
2026 Florida Building Code, 9th Edition

FBC JURISDICTION: Non-HVHZ and HVHZ

CATEGORY: FBC: Roofing NEMO: Single Ply

SUB-CATEGORY: FBC: Single Ply Roof Systems

CSI DIVISION: 07 00 00 Thermal and Moisture Protection
07 54 00 Thermoplastic Membrane Roofing

METHOD: Method 2, Option A – Non-Codified Material, Evaluation by Evaluation Entity

COMPLIANCE STATEMENT: CLP Roof Systems, as produced by Simon Roofing & Sheet Metal Corp. dba SR Products, 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 it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
- ✓ NEMO CERT, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
- ✓ This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance.





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1. CODES, PROPERTIES AND STANDARDS:

Code	Section	Property	Standard
2026 Florida Building Code, 9 th Edition	104.11	Alternative Products	
	1504.3.1	Wind resistance	FM 4474
	1504.7	Impact resistance (foot traffic)	FM 4470
	1507.10.2, 1507.12.2, TAS 110	Physical Properties (partial)	ASTM D5019, ASTM D6083
	TAS 110	Accelerated Weathering	ASTM G155
	TAS 110	Wind resistance	TAS 114, Appendix C, D or J
	TAS 110	Impact resistance (foot traffic)	TAS 114, Section 8.9
2023 Florida Building Code, 8 th Edition	104.11	Alternative Products	
	1504.3.1	Wind resistance	FM 4474
	1504.6, TAS 110	Accelerated Weathering	ASTM G155
	1504.7	Impact resistance (foot traffic)	FM 4470
	1507.10.2, 1507.12.2, TAS 110	Physical Properties (partial)	ASTM D5019, ASTM D6083
	TAS 110	Wind resistance	TAS 114, Appendix C, D or J
	TAS 110	Impact resistance (foot traffic)	TAS 114, Section 8.9

2. PRODUCTS:

TABLE 1: EVALUATED SR PRODUCTS MEMBRANES

(Contact contact@nemocert.com for product location(s) of non-Certified products)

TYPE	PRODUCT		MATERIAL STANDARD
	NAME	THICKNESS	REFERENCE
MEMBRANE	CLP	50 mils	VPA #26-0010-2026-10
	CLP FR	50 mils	VPA #26-0010-2026-10
	CLP+ FR	50 mils	VPA #26-0010-2026-10
	CPM Max	50 mils	VPA #26-0010-2026-10

TABLE 2: ACCESSORY PRODUCTS (4.1.5)

(Refer to [NOA](#) if listed version was superseded to ensure use of latest version)

TYPE	SR PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA
ADHESIVE	CLP Bonding Adhesive Scented	N/A	N/A	N/A
	SR Epoxy Adhesive	CPM Bonding Adhesive	N/A	23-0214.02
	SR Insulation Adhesive	N/A	FL14381	24-0710.02
	SR Foam Adhesive	N/A	N/A	N/A
	Wite Brite	N/A	N/A	23-0214.02
	N/A	OlyBond 500	FL1608	24-0422.18
	N/A	Trufast Roofing Adhesive	FL41878	24-0521.02
SURFACING	Wite Brite CLP FR	N/A	N/A	24-0710.02
	Wite Brite Elastomeric Coating	CPM Coating	FL14381	24-0710.02
	Wite Brite Elastomeric Coating - Contrast FR	CPM Coating FR	FL14381	24-0710.02
ROOFING FASTENERS & PLATES	N/A	OMG 2-3/8" XHD barbed stress plates	FL699	24-0627.03
	N/A	OMG 3 in. Ribbed Galvalume Plates	FL699	24-0627.03
	N/A	OMG 3 in. Ribbed Galvalume Plates (Flat)	FL699	24-0627.03
	N/A	OMG 3 in. Galvalume Steel Plates	FL699	24-0627.03
	N/A	OMG #12 Roofgrip	FL699	24-0627.03
	N/A	OMG #14 Roofgrip	FL699	24-0627.03



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TABLE 2: ACCESSORY PRODUCTS (4.1.5) (Refer to NOA if listed version was superseded to ensure use of latest version)				
TYPE	SR PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA
ROOFING FASTENERS & PLATES	N/A	OMG #14 Heavy Duty	FL699	24-0627.03
	N/A	OMG #12 Standard	FL699	24-0627.03
	N/A	OMG Accutrak Flat Bottom Plates	FL699	24-0627.03
	N/A	OMG XHD screws	FL699	24-0627.03
	N/A	Trufast 2.4" Barbed Seam Plates	FL4500	25-0129.08
	N/A	Trufast 2.4" Barbed Metal Seam Plates	FL4500	25-0129.08
	N/A	Trufast 3" Metal Insulation Plates	FL4500	25-0129.08
	N/A	Trufast #12 Purlin Fastener	FL4500	25-0129.08
	N/A	Trufast #12 DP	FL4500	25-0129.08
	N/A	Trufast #14 HD	FL4500	25-0129.08
	N/A	Trufast #15 EHD	FL4500	25-0129.08
INSULATIONS	N/A	ACFoam II	FL17989	24-1120.02
	N/A	H-Shield	FL5968	24-1021.04
	N/A	STYROFOAM High Load 60	FL38732	23-1121.01
	N/A	DensDeck	FL1250	22-1223.04
	N/A	DensDeck Prime	FL1250	22-1223.04
	N/A	SECUROCK Gypsum-Fiber Roof Board	FL4264	25-1017.02

3. INSTALLATION:

3.1 **CLP Roof Systems** shall be installed in accordance with **Simon Roofing & Sheet Metal Corp. dba SR Products** 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, used in any combination. Fasteners shall be of sufficient length for the following engagements.

TABLE 3: FASTENER REFERENCES		
ROOF DECK	PARTS	FASTENER ENGAGEMENT
WOOD, ENGINEERED SHEATHING OR PLANK	OMG XHD with OMG 3 in. Galvalume Steel Plates or OMG 2 3/8 XHD barbed stress plate Trufast #15 EHD with Trufast 3" Metal Insulation Plates or Trufast 2.4" Barbed Metal Seam Plates	Min. 0.75-inch penetration (engineered sheathing) or min. 1-inch embedment (plank)
STEEL	OMG #12 Roofgrip or OMG #14 Roofgrip with OMG Accutrak Flat Bottom Plates, OMG 3 in. Ribbed Galvalume Plates (Flat) or OMG 3 in. Galvalume Steel Plates	Min. 0.75-inch penetration
STRUCTURAL CONCRETE	OMG #12 Standard Roofgrip or OMG #14 Roofgrip with OMG Accutrak Flat Bottom Plates, OMG 3 in. Ribbed Galvalume Plates (Flat) or OMG 3 in. Galvalume Steel Plates	Non-HVHZ: Min. 1-inch embedment HVHZ: Min. 1.25-inch embedment

3.1.2 **Insulation:**

- Unless otherwise noted, insulation may be any one layer or combination of Approved board(s) that meet FBC 1505 or FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and using System Type D-1, the insulation is optional. Alternatively, an FBC Approved (Local or Statewide) slip sheet, insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation, see Section [3.1.2\(f\)](#). The separator component shall be documented as meeting FBC 1505 or FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.



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- (c) Minimum 200 psi, minimum 2-inch thick Approved lightweight insulating concrete may be substituted for, or installed below, rigid insulation board for System Types C-1 or D-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 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 Section 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 Section 1917.4.1, Point 1. For “pre-existent” LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.
- (e) Unless otherwise noted, rigid board insulation or coverboard attachment patterns for Type C-1 and C-3 systems are as outlined below.

TABLE 4A: INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS

1 per 4.0 ft ² (8 per board) – Pattern A	1 per 4.0 ft ² (8 per board) – Pattern B	1 per 2.0 ft ² (16 per board)

- (f) Preliminary insulation attachment:
- FBC Non-HVHZ: Unless otherwise noted, use FBC Approved (Local or Statewide) roofing fasteners and plates and refer to Section 2.2.10.1.3 of [FM Loss Prevention Data Sheet 1-29](#).
 - FBC HVHZ: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners and plates minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.
- (g) In addition to Table 2, the following products are interchangeable within the scope of this NER:

TABLE 4B: ACCEPTABLE ALTERNATES		
TYPE	LISTED PRODUCT	ALTERNATE PRODUCT
ROOFING INSULATION:	DensDeck Prime	DensDeck StormX Prime Roof Board



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3.1.3 Insulation Adhesives:

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

- Concrete deck shall be primed with ASTM D41 primer prior to asphalt-application.

TABLE 5: INSULATION ADHESIVE REFERENCES		
By	ADHESIVE	RATE
SR Products	SR Insulation Adhesive	Continuous ribbons, 6-inch o.c.
	SR Foam Adhesive	Continuous ribbons, 12-inch o.c.
OMG, Inc.	OlyBond 500	Continuous ribbons, 12-inch o.c.
Altenloh, Brinck & Co. U.S.	Trufast Roofing Adhesive	Continuous ribbons, 12-inch o.c.
Generic	ASTM D312, Type III or IV hot asphalt	Full coverage at 25-30 lbs/square

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

- (c) Adhered Insulation, Board Size:

- FBC Non-HVHZ: Unless otherwise noted, refer to Section 2.2.10.6.2 of [FM Loss Prevention Data Sheet 1-29](#).
- FBC HVHZ: Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

3.1.4 Roof Covers:

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

TABLE 6A: MEMBRANE / ADHESIVE COMBINATIONS					
REFERENCE	LAYER	MATERIAL	APPLICATION		
			ADHESIVE	APPLICATION	RATE
CLP-SRPA	Roof Cover:	CLP, CLP+ FR, CLP FR, or CPM Max	SR Epoxy Adhesive	Contact (both sides)	0.84 gal/square per surface (1.67 gal/square finish)
CLP-WB	Roof Cover:	CLP, CLP+ FR, CLP FR, or CPM Max	Wite Brite	Wet lay (substrate)	1.67 gal/square
CLP-BA	Roof Cover:	CLP, CLP+ FR, CLP FR, or CPM Max	CLP Bonding Adhesive Scented	Wet lay (substrate)	1.5-1.67 gal/square

- (b) For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes.

- (c) The following surfacing may be applied to the roof cover without adverse effect on the system wind load performance. Refer to [Section 4.1.5](#) herein.

TABLE 6B: SURFACING OPTIONS	
REFERENCE	APPLICATION
SURF-1	Wite Brite CLP FR or Wite Brite Elastomeric Coating at 1 gal/square
SURF-2	Wite Brite Elastomeric Coating - Contrast FR at 1 gal/square



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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 roof components. Roof decks and structural members shall be in accordance with FBC 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'.
- (d) **FBC HVHZ Specific:** The table below lists various 'as-tested' deck conditions in accordance with [Testing Application Standard TAS 114\(J\)](#). In no case shall these values be used to 'increase' the MDP listings for the selected systems; the lesser MDP applies.

TABLE 7: AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J)				
TYPE	AS TESTED SUB-ASSEMBLY			
	SPAN (FT O.C.)	FASTENER	SPACING (INCH O.C.)	MDP (PSF)
19/32-inch APA rated CDX plywood	24	8d ring shank nails	6	-52.5
	Span: 24 Blocking: 48	#8 wood screws	6	-142.5
22 ga., Type B, Grade 33 steel	72	#12 WHW Tek's 5	6	-60.0
	72	#12 HWH Tek's 5	6	-67.5
22 ga., Type B, Grade 40 steel	72	5/8" puddle welds	6	-52.5
	72	#12 HWH Tek's 5	6	-60.0
22 ga., Type B, Grade 80 steel	72	12-24 HWH screws	6	-60.0
	72	#12 HWH Tek's 5 with 3/4-inch washers	6	-60.0
Note: Steel deck stress analysis is the responsibility of others to the satisfaction of the Authority Having Jurisdiction				

4.1.3 Fire Classification:

- (a) Refer to **FBC 1505**, **FBC HVHZ 1516**, [UL TGFU.R19353](#) and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.
- (b) Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

4.1.4 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:

Products listed in [Rule 61G20-3.001](#), **F.A.C.**, shall be manufactured under a quality assurance program audited by an approved quality assurance entity. For components listed herein that are produced by a manufacturer other than the report holder on [Page 1](#) of this NER, refer to the supporting evidence held by the component manufacturer.



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4.2 Jurisdiction Specific:

	FBC Non-HVHZ	HVHZ
4.2.1	This NER does not include evaluation of roof edge termination. Refer to FBC 1504.5 for requirements and limitations regarding edge securement for low-slope roofs.	This NER does not include evaluation of roof edge termination. Refer to RAS 111 for requirements and limitations regarding edge securement for low-slope roofs.
4.2.2	Refer to FBC 1511 for requirements and limitations regarding recover installations.	Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations.
(a)	For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with ANSI/SPRI FX-1 or TAS 105 .	For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with TAS 105 .
(b)	For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with ANSI/SPRI IA-1 , FM Loss Prevention Data Sheet 1-52 or TAS 124 shall be conducted on mock-ups of the proposed interface.	For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with TAS 124 shall be conducted on mock-ups of the proposed interface.
(c)	For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with FM Loss Prevention Data Sheet 1-52 or TAS 124 .	For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with TAS 124 .
4.2.3	Wind Load Resistance:	
(a)	Refer to Section 4.3 for a tabulated summary of assembly listings and maximum allowable design pressures.	
(b)	"MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (<i>the 2 to 1 margin of safety per FBC 1504.9 has already been applied</i>). Refer to FBC 1609 for determination of design wind loads.	"MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (<i>the 2 to 1 margin of safety per TAS 114 has already been applied</i>). Refer to FBC HVHZ 1620 or RAS 128 for determination of design wind loads.
(c)	The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with 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.	The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC HVHZ 1620 or RAS 128 . Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with RAS 117 or RAS 137 .
(d)	For fully-adhered installations, the maximum design pressure for the selected assembly shall meet or exceed the critical design pressure. Rational analysis is not permitted.	For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.

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4.3 System Listings and Allowable Design Pressures: See [Section 4.2.3](#)**4.3.2 Roof Assemblies:****ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE**

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
8A	Wood	New or Reroof (Tear-Off)	C-3	Bonded and Mechanically Attached Insulation ('glue-and-screw'), Bonded Roof Cover	9
8B	Wood	New, Reroof (Tear-Off) or Recover	D-1	Insulated, Mechanically Attached Roof Cover	9
9A	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	9
9B	Steel	New, Reroof (Tear-Off) or Recover	D-1	Insulated, Mechanically Attached Roof Cover	10
10A	Structural Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Roof Cover	11
11A	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	A-1	LWC to Deck, Bonded Insulation(s), Bonded Roof Cover	12
12A	Cementitious Wood Fiber	Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Roof Cover	12
13A	Existing Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Roof Cover	12
14A	Various	Recover	A-1	Bonded Insulation(s), Bonded Roof Cover	13
14B	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	15



TABLE 8A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE C-3: BONDED AND MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER				ROOF COVER (3.1.4)		MDP (psf)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH			MEMBRANE	SURFACING	
					ADHESIVE (3.1.3)	FASTENERS (3.1.1)	ATTACH (3.1.2)			
W-1.	Min. 19/32-inch APA rated CDX plywood at max. 24-inch spans & blocked 48-inch o.c.	(Optional) ACFoam II or H-Shield	SR Foam Adhesive or OlyBond 500	Min. 2-inch ACFoam II or H-Shield	SR Foam Adhesive or OlyBond 500	OMG XHD screw with OMG 3 in. Galvalume Steel Plates or Trufast #15 EHD with Trufast 3" Metal Insulation Plates	1 per 4.0 ft² (Pattern B)	CLP-SRPA or CLP-WB	SURF-1	-142.5

TABLE 8B: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	INSULATION (3.1.2)		ROOF COVER (3.1.4)						MDP (psf)
		TYPE	ATTACH	MEMBRANE	FASTENER (3.1.1, 4.2.2)	ATTACH	SEAM SEAL	SURFACING		
								BASE COAT	TOP COAT	
W-2.	Min. 19/32-inch APA rated CDX plywood at max. 24-inch spans	Min. 2-inch thick, one or more layers, any combination	Prelim. attached	CLP, CLP+ FR, CLP FR, or CPM Max	OMG XHD screws with OMG 2 3/8 XHD barbed stress plate or Trufast #15 EHD with Trufast 2.4" Barbed Seam Plates	Max. 12-inch o.c. within 6-in. wide laps spaced max 73-in. o.c. Center of plate located ~2.5-in. from edge of sheet	SR Products Epoxy Adhesive or Wite Brite at 75 lineal ft/gallon	(Optional) SURF-2	SURF-1	-30.0 NO HVHZ
W-3.	Min. 19/32-inch APA rated CDX plywood at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	CLP, CLP+ FR, CLP FR, or CPM Max	Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates	Max. 6-inch o.c. within min. 6-inch wide laps spaced max. 73-inch o.c.	Wite Brite at 75 lineal ft/gallon	(Optional) SURF-2	SURF-1	-52.5

TABLE 9A: STEEL OR CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)		MDP (PSF)*
			TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2)	MEMBRANE	SURFACING	
S-1.	Min. 22 ga., Type B, Grade 40 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch ACFoam II	OMG #12 Roofgrip (steel only) or OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plates	1 per 4.0 ft² (Pattern A)	CLP-SRPA	SURF-1	-37.5* NO HVHZ
S-2.	Min. 22 ga., Type B, Grade 40 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch ACFoam II	OMG #12 Roofgrip (steel only) or OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plates	1 per 2.0 ft²	CLP-SRPA	SURF-1	-52.5
S-3.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck	OMG #12 Standard with OMG Accutrac Flat Bottom Plates, OMG 3 in. Ribbed Galvalume Plates (Flat) or OMG 3 in. Galvalume Steel Plates	1 per 2.0 ft²	CLP-SRPA or CLP-WB	SURF-1	-60.0
S-4.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck Prime	OMG XHD screw (steel only) or OMG #14 Roofgrip (concrete only) with OMG 3 in. Ribbed Galvalume Plates	1 per 2.0 ft²	CLP-SRPA or CLP-WB	SURF-1	-60.0
S-5.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5 SECUROCK Gypsum-Fiber Roof Board	Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 3" Metal Insulation Plates	1 per 2.0 ft²	CLP-SRPA	SURF-1	-60.0



TABLE 9A: STEEL OR CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)		MDP (PSF)*
			TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2)	MEMBRANE	SURFACING	
S-6.	Min. 22 ga., Type B, Grade 80 steel	(Optional) One or more layers, any combination	Min. 2.0-inch AC Foam II or H-Shield	OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plates or Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plates	1 per 2.0 ft ²	CLP-BA	SURF-1	-60.0
S-7.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination	Min. 2.0-inch AC Foam II or H-Shield	OMG #12 Standard or OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plates or Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plates	1 per 2.0 ft ²	CLP-SRPA or CLP-WB	SURF-1	-67.5

TABLE 9B: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER		ROOF COVER (3.1.4)						MDP (psf)*
		TYPE	ATTACH (3.1.2)	MEMBRANE	FASTENER (3.1.1, 4.2.2)	ATTACHMENT	SEAM SEAL	SURFACING		
								BASE COAT	TOP COAT	
S-8.	Min. 22 ga., Type B, Grade 40 steel or min. 2,500 psi structural concrete	Min. 0.50-inch thick, one or more layers, any combination	Preliminarily attached	CLP, CLP+ FR, CLP FR, or CPM Max	OMG XHD screw (steel only) or OMG #14 Roofgrip (concrete only) with OMG 2-3/8" XHD Barbed Stress Plates	Max. 12-inch o.c. within min. 6-inch wide laps spaced max. 73-inch o.c.	SR Products Epoxy Adhesive or Wite Brite at 75 lineal ft/gallon	None	SURF-1	-37.5* NO HVHZ
S-9.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	CLP, CLP+ FR, CLP FR, or CPM Max	OMG XHD screw with OMG 2-3/8" XHD Barbed Stress Plates	Max. 12-inch o.c. within min. 6-inch wide laps spaced max. 73-inch o.c.	SR Products Epoxy Adhesive or Wite Brite at 75 lineal ft/gallon	None	SURF-1	-37.5* NO HVHZ
S-10.	Min. 22 ga., Type B, Grade 40 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	CLP, CLP+ FR, CLP FR, or CPM Max	OMG XHD screw (steel only) or OMG #14 Roofgrip (concrete only) with OMG 2-3/8" XHD Barbed Stress Plates or Trufast #15 EHD (steel only) or Trufast #14 HD with Trufast 2.4" Barbed Metal Seam Plates	Max. 6-inch o.c. within min. 6-inch wide laps spaced max. 73-inch o.c.	Wite Brite at 75 lineal ft/gallon	None	SURF-1	-52.5
S-11.	Min. 22 ga., Type B, Grade 40 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	CLP, CLP+ FR, CLP FR, or CPM Max	OMG XHD screw (steel only) or OMG #14 Roofgrip (concrete only) with OMG 2-3/8" XHD Barbed Stress Plates	Max. 6-inch o.c. within min. 6-inch wide laps spaced max. 73-inch o.c.	SR Products Epoxy Adhesive at 75 lineal ft/gallon	(Optional) SURF-2	SURF-1	-60.0



**TABLE 10A: CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION(S), BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)		TOP INSULATION LAYER		ROOF COVER (3.1.4)		MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	MEMBRANE	SURFACING	
C-1.	Min. 2,500 psi structural concrete	(Optional) Min. 2-inch ACFoam II or H-Shield or STYROFOAM High Load 40 or STYROFOAM High Load 60	SR Insulation Adhesive	Min. 0.5-inch DensDeck Prime	SR Insulation Adhesive	CLP-SRPA or CLP-WB	SURF-1	-210.0
C-2.	Min. 2,500 psi structural concrete	(Optional) Min. 2-inch ACFoam II or H-Shield or STYROFOAM High Load 40 or STYROFOAM High Load 60	SR Insulation Adhesive	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	SR Insulation Adhesive	CLP-SRPA	SURF-1	-210.0
C-3.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	SR Insulation Adhesive	(Optional) Additional layer(s) base insulation	SR Insulation Adhesive	CLP-SRPA or CLP-WB	SURF-1	-397.5
C-4.	Min. 2,500 psi structural concrete	Min. 1.5-inch H-Shield	SR Insulation Adhesive	(Optional) Additional layer(s) base insulation	SR Insulation Adhesive	CLP-SRPA	SURF-1	-397.5
C-5.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, H-Shield, or STYROFOAM High Load 60	SR Foam Adhesive	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SR Foam Adhesive	CLP-SRPA or CLP-WB	SURF-1	-242.5
C-6.	Min. 2,500 psi structural concrete	Min. 1.5-inch H-Shield	SR Foam Adhesive	(Optional) Additional layer(s) base insulation	SR Foam Adhesive	CLP-WB	SURF-1	-242.5
C-7.	Min. 2,500 psi structural concrete	Min. 1.5-inch H-Shield	SR Foam Adhesive	(Optional) Additional layer(s) base insulation	SR Foam Adhesive	CLP-SRPA	SURF-1	-255.0
C-8.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	SR Foam Adhesive	(Optional) Additional layer(s) base insulation	SR Foam Adhesive	CLP-SRPA or CLP-WB	SURF-1	-255.0
C-9.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, H-Shield or STYROFOAM High Load 60	Olybond 500	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OlyBond 500	CLP-SRPA or CLP-WB	SURF-1	-242.5
C-10.	Min. 2,500 psi structural concrete	Min. 1.5-inch H-Shield	OlyBond 500	(Optional) Additional layer(s) base insulation	OlyBond 500	CLP-WB	SURF-1	-242.5
C-11.	Min. 2,500 psi structural concrete	Min. 1.5-inch H-Shield	OlyBond 500	(Optional) Additional layer(s) base insulation	OlyBond 500	CLP-SRPA	SURF-1	-255.0
C-12.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	OlyBond 500	(Optional) Additional layer(s) base insulation	OlyBond 500	CLP-SRPA or CLP-WB	SURF-1	-255.0
C-13.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, H-Shield or STYROFOAM High Load 60	Trufast Roofing Adhesive	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Trufast Roofing Adhesive	CLP-SRPA or CLP-WB	SURF-1	-242.5
C-14.	Min. 2,500 psi structural concrete	Min. 1.5-inch H-Shield	Trufast Roofing Adhesive	(Optional) Additional layer(s) base insulation	Trufast Roofing Adhesive	CLP-WB	SURF-1	-242.5
C-15.	Min. 2,500 psi structural concrete	Min. 1.5-inch H-Shield	Trufast Roofing Adhesive	(Optional) Additional layer(s) base insulation	Trufast Roofing Adhesive	CLP-SRPA	SURF-1	-322.5
C-16.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	Trufast Roofing Adhesive	(Optional) Additional layer(s) base insulation	Trufast Roofing Adhesive	CLP-SRPA or CLP-WB	SURF-1	-322.5



TABLE 11A: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION(S), BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See [Section 4.1.2](#)) or performance of the substrate (See [Section 4.2.2](#)). 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.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2d)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)		MDP (PSF) ^{*A}
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	MEMBRANE	SURFACING	
LWC-1.	Structural Concrete	Min. 200 psi, min. 2-inch thick Range II Elastizell Lightweight Insulating Concrete	(Optional) Min. 1.5-inch AC Foam II or H-Shield	OlyBond 500	Additional optional layer(s) base insulation followed by 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OlyBond 500	CLP-SRPA or CLP-WB	SURF-1	-225.0
LWC-2.	Structural Concrete	Min. 200 psi, min. 2-inch thick Range II Elastizell Lightweight Insulating Concrete	Min. 1.5-inch AC Foam II or H-Shield	OlyBond 500	(Optional) Additional layer(s) of base insulation	OlyBond 500	CLP-SRPA or CLP-WB	SURF-1	-225.0
LWC-3.	Structural Concrete	Min. 285 psi, min. 2-inch thick pre-existent cellular lightweight concrete with optional 1-inch thick, 1.0 pcf EPS holey board.	Min. 1.5-inch H-Shield	SR Foam Adhesive	None	N/A	CLP-WB	(Optional) SURF-1	-372.5
NOTE: To qualify the LWC under this assembly, Trufast Versa-Fast fastener (2.25") shall receive an average withdrawal of 157 lbf when tested per 4.2.2 .									

TABLE 12A: CEMENTITIOUS WOOD FIBER DECK - REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION(S), BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2 , 4.2.2)	INSULATION		ROOF COVER (3.1.4)		MDP (PSF) [*]
		TYPE	ATTACH (3.1.3)	MEMBRANE	SURFACING	
CWF-1.	Tectum I panel	Min. 1.5-inch H-Shield	SR Foam Adhesive	CLP-WB	(Optional) SURF-1	-235.0

TABLE 13A: GYPSUM DECK - REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION(S), BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2 , 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)		MDP (PSF) [*]
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	MEMBRANE	SURFACING	
G-1.	Existing gypsum deck	Min. 2-inch AC Foam II or H-Shield	SR Foam Adhesive or OlyBond 500	(Optional) Additional layer(s) base insulation	SR Foam Adhesive or OlyBond 500	CLP-SRPA or CLP-WB	SURF-1	-242.5
G-2.	Existing gypsum deck	Min. 2-inch AC Foam II, H-Shield or STYROFOAM High Load 60	SR Foam Adhesive or OlyBond 500	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SR Foam Adhesive or OlyBond 500	CLP-SRPA or CLP-WB	SURF-1	-242.5



TABLE 14A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION(S), BONDED ROOF COVER*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See [Section 4.1.2](#)) or performance of the substrate (See [Section 4.2.2](#)). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

SYSTEM No.	SUBSTRATE (4.1.2 , 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)		MDP (PSE)* ^A
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	MEMBRANE	SURFACING	
R-1.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 2-inch AC Foam II or H-Shield	SR Insulation Adhesive	(Optional) Additional layer(s) base insulation	SR Insulation Adhesive	CLP-SRPA or CLP-WB	SURF-1	-210.0
R-2.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 2-inch AC Foam II or H-Shield	SR Insulation Adhesive	Min. 0.5 DensDeck Prime	SR Insulation Adhesive	CLP-SRPA or CLP-WB	SURF-1	-210.0
R-3.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 2-inch AC Foam II or H-Shield	SR Insulation Adhesive	Min. 0.5 SECUROCK Gypsum-Fiber Roof Board	SR Insulation Adhesive	CLP-SRPA	SURF-1	-210.0
R-4.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch AC Foam II, H-Shield or STYROFOAM High Load 60	SR Foam Adhesive	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SR Foam Adhesive	CLP-SRPA or CLP-WB	SURF-1	-242.5
R-5.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch H-Shield	SR Foam Adhesive	(Optional) Additional layer(s) base insulation	SR Foam Adhesive	CLP-WB	SURF-1	-242.5
R-6.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch AC Foam II	SR Foam Adhesive	(Optional) Additional layer(s) base insulation	SR Foam Adhesive	CLP-SRPA or CLP-WB	SURF-1	-255.0
R-7.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch AC Foam II or H-Shield	SR Foam Adhesive	(Optional) Additional layer(s) base insulation	SR Foam Adhesive	CLP-SRPA or CLP-WB	SURF-1	-255.0
R-8.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch AC Foam II, H-Shield, or STYROFOAM High Load 60	OlyBond 500	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OlyBond 500	CLP-SRPA or CLP-WB	SURF-1	-242.5
R-9.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch H-Shield	OlyBond 500	(Optional) Additional layer(s) base insulation	OlyBond 500	CLP-WB	SURF-1	-242.5
R-10.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch H-Shield	OlyBond 500	(Optional) Additional layer(s) base insulation	OlyBond 500	CLP-SRPA	SURF-1	-255.0

TABLE 14A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION(S), BONDED ROOF COVER*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See [Section 4.1.2](#)) or performance of the substrate (See [Section 4.2.2](#)). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

SYSTEM No.	SUBSTRATE (4.1.2 , 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)		MDP (PSF)* ^A
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	MEMBRANE	SURFACING	
R-11.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch AC Foam II	OlyBond 500	(Optional) Additional layer(s) base insulation	OlyBond 500	CLP-SRPA or CLP-WB	SURF-1	-255.0
R-12.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch AC Foam II, H-Shield, or STYROFOAM High Load 60	Trufast Roofing Adhesive	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Trufast Roofing Adhesive	CLP-SRPA or CLP-WB	SURF-1	-242.5
R-13.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch H-Shield	Trufast Roofing Adhesive	(Optional) Additional layer(s) base insulation	Trufast Roofing Adhesive	CLP-WB	SURF-1	-242.5
R-14.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch H-Shield	Trufast Roofing Adhesive	(Optional) Additional layer(s) base insulation	Trufast Roofing Adhesive	CLP-SRPA	SURF-1	-255.0
R-15.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch AC Foam II	Trufast Roofing Adhesive	(Optional) Additional layer(s) base insulation	Trufast Roofing Adhesive	CLP-SRPA or CLP-WB	SURF-1	-255.0
R-16.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch H-Shield	Trufast Roofing Adhesive	(Optional) Additional layer(s) base insulation	Trufast Roofing Adhesive	CLP-SRPA	SURF-1	-397.5
R-17.	Existing smooth- or granule-surfaced asphalt built-up roof (BUR), existing smooth- or granule-surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen or existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch AC Foam II	Trufast Roofing Adhesive	(Optional) Additional layer(s) base insulation	Trufast Roofing Adhesive	CLP-SRPA or CLP-WB	SURF-1	-397.5

TABLE 14B: STEEL – RECOVER

SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See [Section 4.1.2](#)) or performance of the substrate (See [Section 4.2.2](#)). 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)	INSULATION		ROOF COVER (3.1.4)					MDP (PSF)* ^A
		TYPE	ATTACH (3.1.2)	MEMBRANE	FASTENERS (4.2.2)	ATTACHMENT	SEAM SEAL	SURFACING	
R-18.	Existing standing seam or lap seam metal roof covers having min. 18 ga. (0.0474-inch), 50 ksi steel purlins spaced max. 72-inch o.c.	One or more layers, any combination	Preliminarily attached	CLP, CLP+ FR, CLP FR, or CPM Max	OMG Purlin Fastener with OMG 2-3/8" XHD Barbed Stress Plates	Max. 12-inch o.c. within min. 6-inch wide laps spaced max. 72-inch o.c. to engage steel purlin	SR Products Epoxy Adhesive or Wite Brite at 75 lineal ft / gallon	SURF-1	-37.5 NO HVHZ
R-19.	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch), 50 ksi steel purlins spaced max. 72-inch o.c.	One or more layers, any combination	Preliminarily attached	CLP, CLP+ FR, CLP FR, or CPM Max	OMG Purlin Fastener or OMG Retrodriller with OMG 2-3/8" XHD Barbed Stress Plates or Trufast #12 Purlin Fastener with Trufast 2.4" Barbed Metal Seam Plates	6-inch o.c. within min. 6-inch wide laps spaced max. 72-inch o.c. to engage steel purlin	Wite Brite at 75 lineal ft / gallon	SURF-1	-37.5 NO HVHZ
R-20.	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch), 50 ksi steel purlins spaced max. 72-inch o.c.	One or more layers, any combination	Preliminarily attached	CLP, CLP+ FR, CLP FR, or CPM Max	OMG Purlin Fastener with OMG Retrodriller 2-3/8" XHD Barbed Stress Plates	6-inch o.c. within min. 6-inch wide laps spaced max. 72-inch o.c. to engage steel purlin	SR Products Epoxy Adhesive at 75 lineal ft / gallon	SURF-1	-60.0