



# NEMO EVALUATIONS REPORT

Report No.: NER-VPS-002.R1  
Revision 1: 2025-07-22  
Page 1 of 16

VaproShield LLC  
FL46829-R1

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

INSPECT

CERTIFY

EVALUATE

VALIDATE

QUALIFY

## NEMO EVALUATION REPORT (NER)

### [VaproShield LLC](#)

915 26<sup>th</sup> Ave. N.W., Suite C5  
Gig Harbor, WA 98335  
(604) 594-3439



**SUBJECT:** VaproShield BlockShield SA Plus or SlopeShield Plus SA

**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:** 2023 Florida Building Code, 8<sup>th</sup> Edition

**JURISDICTION:** Non-HVHZ and HVHZ

**CATEGORY:** **FBC:** Roofing **NEMO:** Barrier

**SUB-CATEGORY:** **FBC:** Roofing Accessories that are an Integral Part of the Roofing System

**CSI DIVISION:**  
07 00 00 Thermal and Moisture Protection  
07 26 00 Vapor Retarders  
07 27 00 Air Barriers

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

**COMPLIANCE STATEMENT:** VaproShield BlockShield SA Plus or SlopeShield Plus SA, as produced by VaproShield LLC, has demonstrated compliance with the [Code sections noted herein](#) through testing in accordance with the referenced Standards, rational analysis and an ongoing quality assurance program. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

**QUALITY ASSURANCE:** Evidence of current quality assurance shall be listing and labeling in accordance with the requirements of [NEMO|cert.](#)

**CONTINUED COMPLIANCE:** This NER is valid until such time the named product(s) change, the referenced Quality Assurance changes, or the evaluated Code provisions change. NEMO Evaluations requires, at minimum, a complete review of this NER with each 3-year Code Cycle.

**BUILDING PERMIT REQUIREMENTS:** As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product.

**ADVERTISEMENT:** "NEMO Evaluated" may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety.

**CERTIFICATION OF INDEPENDENCE:**

- ✓ NEMO CERT, LLC has not, nor does it intend to acquire or will 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.



# NEMO EVALUATIONS REPORT

Report No.: NER-VPS-002.R1  
 Revision 1: 2025-07-22  
 Page 2 of 16

VaproShield LLC  
 FL46829-R1



ISO/IEC 17065



PCA-145

## 1. CODES, PROPERTIES AND STANDARDS:

Code	Section	Property	Standard
2023 Florida Building Code, 8th Edition	1504.3.1	Wind resistance	FM 4474
	1515.1.1	Wind resistance	TAS 114, Appendix C, D or J
2021 International Energy Conservation Code	C402.5.1.2.1	Air leakage rate	ASTM E2178

## 2. PRODUCTS:

TABLE 1A: EVALUATED VAPROSHIELD MEMBRANES (NEMO Certified. Consult <a href="#">Directory of Certified Products</a> for production location(s))		
TRADE NAME	NOMINAL DIMENSIONS	DESCRIPTION
BlockShield SA Plus	10-mil thick x 59-inch wide x 100-ft long roll	A self-adhered, non-asphaltic, air, water and vapor barrier membrane.
SlopeShield Plus SA	20-mil thick x 59-inch wide x 102-ft long roll	A self-adhered, spun-bond polyester fabric with proprietary coatings on both sides, designed for use as a vapor-permeable air-barrier.

TABLE 1B: TYPICAL NOMINAL PROPERTIES			
PROPERTY	STANDARD	RESULT	
		BLOCKSHIELD SA PLUS	SLOPESHIELD PLUS SA
Thickness, mills	ASTM D5147	11	18
Breaking strength, lbf/in.	ASTM D2523	MD: 26 XMD: 19	MD: 62 XMD: 41
Elongation, %	ASTM D2523	MD: 314 XMD: 180	MD: 30 XMD: 31
Tear resistance, lbf	ASTM D4073	MD: 41 XMD: 34	MD: 94 XMD: 65
Peel resistance @ 75°F, lbf/ft	ASTM D903 per D1970	plywood: 79	plywood: 11
Nail sealability	ASTM D1970	Pass	no data
Water vapor permeance, perms	ASTM E96(B)	0.0	19.9
Air Leakage Rate, L/s-m <sup>2</sup> @ 75 Pa	ASTM E2178	0.009	no data
Low temperature flexibility, °F	ASTM D5147	Pass -20°F	Pass -10°F

TABLE 2: COMPONENTS BY OTHERS (4.1.4) (Refer to <a href="#">NOA</a> if listed version was superseded to ensure use of latest version)				
TYPE	BY	PRODUCT NAME	FBC	NOA
ADHESIVES:	Carlisle SynTec Systems	Flexible FAST Dual Tank Adhesive	N/A	22-0825.02
		Millennium One Step Foamable Adhesive	FL1800	25-0417.03
	HB Fuller Company	Millennium One Step Green Foamable Adhesive	FL1800	25-0417.03
		Millennium PG-1 Pump Grade Adhesive	FL1800	25-0417.03
		Millennium PG-1 EF ECO	FL1800	25-0417.03
		Millennium Sprayable Single-Ply Bonding Adhesive	N/A	25-0417.03
		ICP Construction	Polyset Commercial Roof Adhesive	FL1365
PRIMERS:	HB Fuller Company	Millennium Sprayable Asphaltic & SA Vapor Barrier Primer	N/A	N/A
INSULATIONS:	Atlas Roofing Corp.	ACFoam-II	FL17989	24-1120.02
		ACFoam-III	FL17989	24-1120.02
	Dupont de Nemours	Styrofoam Brand Roofmate	FL38732	23-1121.01
		Styrofoam Brand Highload 60	FL38732	23-1121.01



# NEMO EVALUATIONS REPORT

Report No.: NER-VPS-002.R1  
 Revision 1: 2025-07-22  
 Page 3 of 16

VaproShield LLC  
 FL46829-R1



ISO/IEC 17065

PCA-145

TABLE 2: COMPONENTS BY OTHERS (4.1.4)				
(Refer to <a href="#">NOA</a> if listed version was superseded to ensure use of latest version)				
INSULATIONS:	GAF	EnergyGuard HD Polyiso	FL16311	24-1114.02
		EnergyGuard NH Polyiso Insulation	FL16311	24-1114.02
		EnergyGuard NH Ultra Polyiso Insulation	FL16311	24-1114.02
		EnergyGuard Polyiso Insulation	FL16311	24-1114.02
		EnergyGuard Ultra Polyiso Insulation	FL16311	24-1114.02
	Georgia Pacific Gypsum	DensDeck	FL1250	22-1223.04
		DensDeck Prime, DensDeck StormX Prime Roof Board	FL1250	22-1223.04
	Holcim Solutions and Products US, LLC.	Elevate ISOGARD GL	N/A	23-0613.13
		Elevate ISOGARD CG	N/A	23-0613.13
		Elevate ISOGARD HD	N/A	23-0613.13
	Hunter Panels	H-Shield HD	FL5968	24-1021.04
		H-Shield CG	FL5968	24-1021.04
		H-Shield	FL5968	24-1021.04
	Johns Manville	Invinsa Roof Board	N/A	24-0610.04
		ENRGY 3	FL4205	24-0610.04
	National Gypsum	DEXcell FA Glass Mat Roof Board	FL17840	25-0602.06
		DEXcell Cement Roof Board	FL17840	25-0602.06
	Rmax Ltd.	Multi-Max FA3	FL11207	22-0815.03
		UltraMax	FL11207	22-0815.03
	USG Corporation	SECUROCK Gypsum-Fiber Roof Board	FL4264	21-0923.05
		SECUROCK Ultralight Glass-Mat Roof Board	FL4264	21-0923.05
SECUROCK Cement Roof Board		FL4264	21-0923.05	
Blue Ridge Fiberboard	STRUCTODEK High Density Fiberboard Roof Insulation	FL13792	23-0623.03	
MECHANICAL FASTENERS:	Altenloh Brink & Co US	Trufast Versa-Fast Fasteners	FL4500	25-0129.08
		Trufast Versa-Fast Plate	FL4500	25-0129.08
	OMG, Inc.	OMG #14 Heavy Duty	FL699	24-0627.03
		OMG AccuTrac Flat Bottom	FL699	24-0627.03
	SFS Group USA	Dekfast DF-#12-PH3	FL20311	22-0913.02
		Dekfast DF-#14-PH3	FL20311	22-0913.02
		Dekfast PLT-R-3	FL20311	22-0913.02

### 3. INSTALLATION:

- 3.1 **VaproShield BlockShield SA Plus or SlopeShield Plus SA** shall be installed in accordance with **VaproShield** 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, ENGINEERED SHEATHING OR PLANK	Trufast Versa-Fast Fasteners with Versa-Fast Plate	Min. 0.75-inch penetration (engineered sheathing) or min. 1-inch embedment (plank)
STEEL	Dekfast DF-#12-PH3 or DF-#14-PH3 with Dekfast PLT-R-3	Min. 0.75-inch penetration
	OMG #14 Heavy Duty with OMG AccuTrac Flat Bottom	





# NEMO EVALUATIONS REPORT

Report No.: NER-VPS-002.R1  
Revision 1: 2025-07-22  
Page 5 of 16

VaproShield LLC  
FL46829-R1



TABLE 5: INSULATION ADHESIVES			
By	ADHESIVE		MINIMUM RATE
	TRADE NAME	REFERENCE	
H.B. Fuller Company	Millennium One Step Foamable Adhesive	M-OSFA	Continuous ribbons, max. 12-inch o.c.
	Millennium One Step Green Foamable Adhesive	M-OSGFA	Continuous ribbons, max. 12-inch o.c.
	Millennium PG-1 Pump Grade Adhesive	M-PG1	Continuous ribbons, max. 12-inch o.c.
	Millennium PG-1 EF ECO	M-PG1-EF-ECO	Continuous ribbons, max. 12-inch o.c.
ICP Construction	Polyset Commercial Roof Adhesive	Polyset CRA (SPATTER)	spatter-applied, full coverage.

- (b) 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.
- (c) **VaproShield BlockShield SA Plus** or **SlopeShield Plus SA** may be installed atop the roof deck, or to a loose-laid thermal barrier of DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, prior to installation of subsequent overlying components, which are mechanically attached through the vapor barrier to engage the structural roof deck. Refer to [FM Loss Prevention Data Sheet 1-29](#) for design and installation limitations.
- (d) The following products are interchangeable within the scope of this NER.

TABLE 6: ACCEPTABLE ALTERNATES		
SUB-CATEGORY	LISTED PRODUCT	ALTERNATE
ROOFING INSULATION	EnergyGuard Polyiso Insulation	EnergyGuard NH Polyiso Insulation
	EnergyGuard Ultra Polyiso Insulation	EnergyGuard NH Ultra Polyiso Insulation
	DensDeck Prime	DensDeck StormX Prime Roof Board

## 4. LIMITATIONS OF USE:

### 4.1 General:

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

### 4.1.2 Roof Decks:

- (a) This NER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction.
- (b) OSB sheathing is not permitted in FBC HVHZ jurisdictions.
- (c) Unless otherwise noted, reference to 'structural concrete' pertains to min. 2,500 psi structural concrete, and excludes 'structural lightweight concrete'.
- (d) The table below lists various 'as-tested' deck conditions in accordance with [Testing Application Standard TAS 114\(J\)](#). Steel deck stress analysis is the responsibility of others to the satisfaction of the Authority Having Jurisdiction.

TABLE 7: AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J)				
TYPE	AS TESTED SUB-ASSEMBLY			
	SPAN (INCH O.C.)	FASTENER	SPACING (INCH O.C.)	MDP (psf)
Min. 15/32-inch APA rated CDX 4-ply plywood	24-inch span and blocked 48-inch o.c.	#8 wood screws	6	-112.5
22 ga., Type B, Grade 33 steel	72	#12 HWH Tek 5 screws	6	-67.5
22 ga., Type B, Grade 40 steel	72	#12 HWH Tek 5 screws	6	-90.0
22 ga., Type B, Grade 40 steel	72	#12 HWH Tek 5 screws with 3/8" washers	6	-135.0



# NEMO EVALUATIONS REPORT

Report No.: NER-VPS-002.R1  
Revision 1: 2025-07-22  
Page 6 of 16

VaproShield LLC  
FL46829-R1



## 4.1.3 Fire Classification:

- (a) Refer to **FBC 1505**, **FBC HVHZ 1516**, UL [TGFU.R40823](#) for requirements and limitations regarding roof assembly fire classification.
- (b) Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

## 4.1.4 Quality Assurance:

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

## 4.2 Jurisdiction Specific:

	<u>FBC Non-HVHZ</u>	<u>FBC HVHZ</u>
4.2.1	This NER does not include evaluation of roof edge termination. Refer to <b>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 <a href="#">RAS 111</a> for requirements and limitations regarding edge securement for low-slope roofs.
4.2.2	Refer to <b>FBC 1511</b> for requirements and limitations regarding recover installations. <ul style="list-style-type: none"> <li>(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 <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</li> <li>(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 <a href="#">ANSI/SPRI IA-1</a>, <a href="#">FM Loss Prevention Data Sheet 1-52</a> or <a href="#">TAS 124</a> shall be conducted on mock-ups of the proposed interface.</li> <li>(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 <a href="#">FM Loss Prevention Data Sheet 1-52</a> or <a href="#">TAS 124</a>.</li> </ul>	Refer to <b>FBC HVHZ 1521</b> for requirements and limitations regarding recover installations. <ul style="list-style-type: none"> <li>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 <a href="#">TAS 105</a>.</li> <li>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 <a href="#">TAS 124</a> shall be conducted on mock-ups of the proposed interface.</li> <li>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 <a href="#">TAS 124</a>.</li> </ul>

## 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) The performance data herein pertains to sub-assembly interfaces involving **VaproShield BlockShield SA Plus or SlopeShield Plus SA** as a vapor and/or air barrier. If a roof system's Product Approval documentation does not specifically include **VaproShield BlockShield SA Plus or SlopeShield Plus SA**, the sub-assembly data herein is acceptable for comparison with the MDP limitation of the proposed roof system. The "Base Insulation Layer" for the selected sub-assembly shall match that referenced in the Roof System Product Approval documentation as the substrate to which the next subsequent component is to be installed. The lesser of the MDP listed herein vs. that from the Roof System Product Approval documentation applies.
- (c) "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 **FBC 1609** for determination of design wind loads.



# NEMO EVALUATIONS REPORT

Report No.: NER-VPS-002.R1

Revision 1: 2025-07-22

Page 7 of 16

VaproShield LLC

FL46829-R1



ISO/IEC 17065



PCA-145

- (d) 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.
- (e) 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.

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.



4.3 Sub-Assembly Listings and Allowable Design Pressures: See Section 4.2.3

TABLE 8A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)								
SUB-ASSEMBLY TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION(S)								
SUB-ASSEMBLY No.	DECK (4.1.2)	VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
W-VB-1.	Min. 15/32-inch APA rated CDX 4-ply plywood	BlockShield SA Plus or SlopeShield Plus SA, self-adhering	One or more layers, min. 1-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or Ultra-Max	M-OSFA, M-OSGFA or M-PG1	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or Invinsa Roof Board, min. 7/16-inch APA Rated OSB or DEXcell Cement Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Coverboard, H-Shield HD, SecurShield HD, Elevate ISOGARD HD or SECUROCK Cement Roof Board	M-OSFA, M-OSGFA or M-PG1	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-52.5
W-VB-2.	Min. 15/32-inch APA rated CDX 4-ply plywood	SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ENRGY 3, H-Shield, InsulBase, H-Shield CG, SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3, Ultra-Max, Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	Polysset CRA (SPATTER)	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, ACFoam HD CoverBoard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD	Polysset CRA (SPATTER)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-67.5
W-VB-3.	Min. 15/32-inch APA rated CDX 4-ply plywood	SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL or Elevate ISOGARD CG, Multi-Max FA3 or UltraMax or min. 1-inch Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, H-Shield HD, SecurShield HD or ISOGARD HD	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-75.0
W-VB-4.	Min. 15/32-inch APA rated CDX 4-ply plywood	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ENRGY 3, H-Shield, InsulBase, H-Shield CG, SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3, Ultra-Max, Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	Polysset CRA (SPATTER)	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, ACFoam HD CoverBoard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD	Polysset CRA (SPATTER)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-90.0
W-VB-5.	Min. 15/32-inch APA rated CDX 4-ply plywood	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or UltraMax or min. 1-inch Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, H-Shield HD, SecurShield HD or ISOGARD HD	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-112.5
W-VB-6.	Min. 15/32-inch APA rated CDX 4-ply plywood	SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch H-Shield CG or SecureShield	Flexible FAST DT (FULL)	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST DT (FULL)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-112.5



**TABLE 8B: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SUB-ASSEMBLY TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION**

SUB-ASSEMBLY No.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
W-TB/VB-1.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft <sup>2</sup>	BlockShield SA Plus or SlopeShield Plus SA, self-adhering	One or more layers, min. 1-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or Ultra-Max	M-OSFA, M-OSGFA or M-PG1	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or Invinsa Roof Board, min. 7/16-inch APA Rated OSB or DEXcell Cement Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Coverboard, H-Shield HD, SecurShield HD, Elevate ISOGARD HD or SECUROCK Cement Roof Board	M-OSFA, M-OSGFA or M-PG1	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-52.5
W-TB/VB-2.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft <sup>2</sup>	BlockShield SA Plus or SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or UltraMax or min. 1-inch Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, H-Shield HD, SecurShield HD or ISOGARD HD	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-60.0
W-TB/VB-3.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft <sup>2</sup>	BlockShield SA Plus or SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ENRGY 3, H-Shield, InsulBase, H-Shield CG, SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3, Ultra-Max, Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	Polyset CRA (SPATTER)	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, ACFoam HD CoverBoard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD	Polyset CRA (SPATTER)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-60.0
W-TB/VB-4.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft <sup>2</sup>	SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch H-Shield CG or SecureShield	Flexible FAST DT (FULL)	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST DT (FULL)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-60.0
W-TB/VB-5.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft <sup>2</sup>	SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ENRGY 3, H-Shield, InsulBase, H-Shield CG, SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3, Ultra-Max, Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	Polyset CRA (SPATTER)	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, ACFoam HD CoverBoard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD	Polyset CRA (SPATTER)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-67.5



**TABLE 8B: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SUB-ASSEMBLY TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION**

SUB-ASSEMBLY No.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
W-TB/VB-6.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft <sup>2</sup>	BlockShield SA Plus or SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or UltraMax or min. 1-inch Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, H-Shield HD, SecurShield HD or ISOGARD HD	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-75.0
W-TB/VB-7.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft <sup>2</sup>	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ENRGY 3, H-Shield, InsulBase, H-Shield CG, SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3, Ultra-Max, Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	Polyset CRA (SPATTER)	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, ACfoam HD CoverBoard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD	Polyset CRA (SPATTER)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-75.0
W-TB/VB-8.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft <sup>2</sup>	SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch H-Shield CG or SecureShield	Flexible FAST DT (FULL)	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST DT (FULL)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-75.0

**TABLE 9A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SUB-ASSEMBLY TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION**

SUB-ASSEMBLY No.	DECK (4.1.2 AND 4.2.2)	VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
S-VB-1.	Min. 22 ga., Type B, Grade 40 steel	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or UltraMax or min. 1-inch Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, H-Shield HD, SecurShield HD or ISOGARD HD	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-90.0



**TABLE 9A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
 SUB-ASSEMBLY TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION**

SUB-ASSEMBLY No.	DECK (4.1.2 AND 4.2.2)	VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
S-VB-2.	Min. 22 ga., Type B, Grade 40 steel	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ENRGY 3, H-Shield, InsulBase, H-Shield CG, SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3, Ultra-Max, Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	Polyset CRA (SPATTER)	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, ACFoam HD CoverBoard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD	Polyset CRA (SPATTER)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-90.0

**TABLE 9B: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
 SUB-ASSEMBLY TYPE A-3: BONDED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION**

SUB-ASSEMBLY No.	DECK (4.1.2)	THERMAL BARRIER		VAPOR OR AIR BARRIER	INSULATION BASE LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	ADHESIVE (3.1.3)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
S-TB/VB-1.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-OSGFA or M-PG1 (every other flute)	BlockShield SA Plus or SlopeShield Plus SA, self-adhering	One or more layers, min. 1-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or Ultra-Max	M-OSFA, M-OSGFA or M-PG1	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or Invinsa Roof Board, min. 7/16-inch APA Rated OSB or DEXcell Cement Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Coverboard, H-Shield HD, SecurShield HD, Elevate ISOGARD HD or SECUROCK Cement Roof Board	M-OSFA, M-OSGFA or M-PG1	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-52.5
S-TB/VB-2.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	M-OSFA, M-OSGFA or M-PG1 (every other flute)	BlockShield SA Plus, self-adhering	One or more layers, min. 1-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or Ultra-Max	M-OSFA, M-OSGFA or M-PG1	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or Invinsa Roof Board, min. 7/16-inch APA Rated OSB or DEXcell Cement Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Coverboard, H-Shield HD, SecurShield HD, Elevate ISOGARD HD or SECUROCK Cement Roof Board	M-OSFA, M-OSGFA or M-PG1	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-52.5



**TABLE 9c: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SUB-ASSEMBLY TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION**

SUB-ASSEMBLY No.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(s)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
S-TB/VB-3.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft <sup>2</sup>	BlockShield SA Plus or SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or UltraMax or min. 1-inch Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, H-Shield HD, SecurShield HD or ISOGARD HD	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-37.5
S-TB/VB-4.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft <sup>2</sup>	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ENRGY 3, H-Shield, InsulBase, H-Shield CG, SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3, Ultra-Max, Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	Polysset CRA (SPATTER)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Polysset CRA (SPATTER)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-37.5
S-TB/VB-5.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft <sup>2</sup>	SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL or Elevate ISOGARD CG, Multi-Max FA3 or UltraMax or min. 1-inch Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, H-Shield HD, SecurShield HD or ISOGARD HD	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-75.0
S-TB/VB-6.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft <sup>2</sup>	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or UltraMax or min. 1-inch Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, H-Shield HD, SecurShield HD or ISOGARD HD	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-135.0
S-TB/VB-7.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft <sup>2</sup>	SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch ENRGY-3, H-Shield CG or SecureShield	Flexible FAST DT (FULL)	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST DT (FULL)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-135.0



**TABLE 10A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SUB-ASSEMBLY TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION**

SUB-ASSEMBLY No.	DECK <a href="#">(4.1.2</a> AND <a href="#">4.2.2</a> )	VAPOR OR AIR BARRIER	BASE INSULATION LAYER(S)		TOP INSULATION, COVERBOARD		ROOF COVER <a href="#">(4.2.3b)</a>	MDP <a href="#">(PSF)</a>
			PRODUCT	ADHESIVE <a href="#">(3.1.3)</a>	PRODUCT	ADHESIVE <a href="#">(3.1.3)</a>		
C-VB-1.	Structural concrete	SlopeShield Plus SA, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ENRGY 3, H-Shield, InsulBase, H-Shield CG, SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3, Ultra-Max, Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	Polysset CRA (SPATTER)	(Optional) Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, ACFoam HD CoverBoard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD	Polysset CRA (SPATTER)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-67.5
C-VB-2.	Structural concrete	SlopeShield Plus SA, self-adhering	One or more layers, min. 0.5-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or UltraMax or min. 1-inch Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	M-OSFA, M-OSGFA or M-PG1, 6-inch o.c.	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch STRUCTODEK High Density Fiberboard Roof Insulation, SECUROCK Cement Roof Board, EnergyGuard HD Polyiso Coverboard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD.	M-OSFA, M-OSGFA or M-PG1	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-75.0
C-VB-3.	Structural concrete	SlopeShield Plus SA, self-adhering	One or more layers, min. 1.5-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or UltraMax	M-PG1-EF-ECO, 6-inch o.c.	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Coverboard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD.	M-PG1-EF-ECO	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-75.0
C-VB-4.	Structural concrete primed with Millennium Sprayable Single-Ply Bonding Adhesive	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, H-Shield	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	Min. 0.5-inch thick STRUCTODEK High Density Fiberboard Roof Insulation	M-OSFA, M-OSGFA or M-PG1	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-102.5
C-VB-5.	Structural concrete primed with Sodium Silicate	SlopeShield Plus SA, self-adhering	(Optional) One or more layers, any combination, approved for use with specified insulation adhesive	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	One or more layers, any combination, approved for use with specified insulation adhesive	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-127.5
C-VB-6.	Structural concrete	SlopeShield Plus SA, self-adhering	(Optional) One or more layers, any combination, approved for use with specified insulation adhesive	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	One or more layers, any combination, approved for use with specified insulation adhesive	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-135.0

**NEMO EVALUATIONS REPORT**

Report No.: NER-VPS-002.R1

Revision 1: 2025-07-22

Page 14 of 16

VaproShield LLC

FL46829-R1



ISO/IEC 17065

[PCA-145](#)**TABLE 10A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SUB-ASSEMBLY TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION**

SUB-ASSEMBLY No.	DECK <a href="#">(4.1.2</a> AND <a href="#">4.2.2</a> )	VAPOR OR AIR BARRIER	BASE INSULATION LAYER(S)		TOP INSULATION, COVERBOARD		ROOF COVER <a href="#">(4.2.3b)</a>	MDP <a href="#">(PSF)</a>
			PRODUCT	ADHESIVE <a href="#">(3.1.3)</a>	PRODUCT	ADHESIVE <a href="#">(3.1.3)</a>		
C-VB-7.	Structural concrete	BlockShield SA Plus, self-adhering	(Optional) One or more layers, any combination, approved for use with specified insulation adhesive	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	One or more layers, any combination, approved for use with specified insulation adhesive	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-137.5
C-VB-8.	Structural concrete	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, ENRGY 3, H-Shield, InsulBase, H-Shield CG, SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3, Ultra-Max, Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	Polysat CRA (SPATTER)	(Optional) Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, ACFoam HD CoverBoard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD	Polysat CRA (SPATTER)	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-142.5
C-VB-9.	Structural concrete primed with Millennium Sprayable Single-Ply Bonding Adhesive	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, H-Shield	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or Invinsa Roof Board, min. 0.5-inch EnergyGuard HD Polyiso Coverboard, H-Shield HD or Elevate ISOGARD HD	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-150.0
C-VB-10.	Structural concrete primed with Millennium Sprayable Single-Ply Bonding Adhesive	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, H-Shield	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	Min. 0.5-inch Elevate ISOGARD HD, EnergyGuard HD Polyiso Coverboard, H-Shield HD or Invinsa Roof Board	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-157.5
C-VB-11.	Structural concrete	BlockShield SA Plus, self-adhering	One or more layers, min. 0.5-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase Elevate ISOGARD GL or Elevate ISOGARD CG, Multi-Max FA3 or UltraMax or min. 1-inch Styrofoam Brand Roofmate or Styrofoam Brand Highload 60	M-OSFA, M-OSGFA or M-PG1, 6-inch o.c.	Min. 0.5-inch thick STRUCTODEK High Density Fiberboard Roof Insulation	M-OSFA, M-OSGFA or M-PG1	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-165.0
C-VB-12.	Structural concrete	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam-II, H-Shield	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	None	N/A	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-185.0



**NEMO EVALUATIONS REPORT**

Report No.: NER-VPS-002.R1

Revision 1: 2025-07-22

Page 15 of 16

VaproShield LLC

FL46829-R1



ISO/IEC 17065

[PCA-145](#)

**TABLE 10A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SUB-ASSEMBLY TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION**

SUB-ASSEMBLY No.	DECK <a href="#">(4.1.2)</a> AND <a href="#">(4.2.2)</a>	VAPOR OR AIR BARRIER	BASE INSULATION LAYER(S)		TOP INSULATION, COVERBOARD		ROOF COVER <a href="#">(4.2.3b)</a>	MDP <a href="#">(PSF)</a>
			PRODUCT	ADHESIVE <a href="#">(3.1.3)</a>	PRODUCT	ADHESIVE <a href="#">(3.1.3)</a>		
C-VB-13.	Structural concrete	BlockShield SA Plus, self-adhering	One or more layers, min. 0.5-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or UltraMax or min. 1-inch Styrofoam Brand Roofmate or Styrofoam Brand Highload 60Elevate ISOGARD GL	M-OSFA, M-OSGFA or M-PG1, 6-inch o.c.	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board, EnergyGuard HD Polyiso Coverboard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD.	M-OSFA, M-OSGFA or M-PG1	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-202.5
C-VB-14.	Structural concrete	BlockShield SA Plus, self-adhering	One or more layers, min. 1.5-inch ACFoam-II, ACFoam-III, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, InsulBase, Elevate ISOGARD GL, Elevate ISOGARD CG, Multi-Max FA3 or UltraMax	M-PG1-EF-ECO, 6-inch o.c.	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Coverboard, H-Shield HD, SecurShield HD, Invinsa Roof Board or Elevate ISOGARD HD.	M-PG1-EF-ECO	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-202.5
C-VB-15.	Structural concrete primed with Millennium Sprayable Asphaltic & SA Vapor Barrier Primer	SlopeShield Plus SA, self-adhering	(Optional) One or more layers, any combination, approved for use with specified insulation adhesive	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	One or more layers, any combination, approved for use with specified insulation adhesive	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-222.5
C-VB-16.	Structural concrete primed with Millennium Sprayable Asphaltic & SA Vapor Barrier Primer	BlockShield SA Plus, self-adhering	(Optional) One or more layers, any combination, approved for use with specified insulation adhesive	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	One or more layers, any combination, approved for use with specified insulation adhesive	M-OSFA, M-OSGFA, M-PG1 or M-PG1-EF-ECO	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-250.0



**TABLE 11A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SUB-ASSEMBLY TYPE A-1: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION**

SUB-ASSEMBLY No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	PRIMER	VAPOR OR AIR BARRIER	ROOF COVER (4.2.3b)	MDP (PSF)
LWC-VB-1.	Structural concrete	Cellular lightweight concrete, Min. 210 psi, Min. 2-inch top coat <i>Note: Trufast FM-90 Base Sheet Fastener shall achieve an average withdrawal of 100 lbf when tested per (4.2.2)</i>	Sodium Silicate	SlopeShield Plus SA, self-adhering	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-117.5

**TABLE 11B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SUB-ASSEMBLY TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION**

SUB-ASSEMBLY No.	DECK (4.1.2)	PRIMER	VAPOR OR AIR BARRIER	LIGHTWEIGHT CONCRETE (3.1.2)	ROOF COVER (4.2.3b)	MDP (PSF)
LWC-VB-2.	Structural concrete	None	SlopeShield Plus SA or BlockShield SA Plus, self-adhering	Elastizell Lightweight Insulating Concrete, Min. 240 psi, Min. 2-inch top coat.	Refer to Roof System <a href="#">Florida Product Approval</a> or <a href="#">NOA</a> of the Roof System Manufacturer	-235.0