



NEMO|etc.

Certificate of Authorization #32455

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ENGINEER

EVALUATE

TEST

CONSULT

EVALUATION REPORT

SRS Distribution

7740 S Hwy 121

McKinney, TX 75070

469-421-0616

Evaluation Report 3m-AB-21-FBCER.A

FL38089

Date of Issuance: 03/29/2021

SCOPE:

This Evaluation Report is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been designed to comply with the **7th Edition (2020) Florida Building Code** sections noted herein.

DESCRIPTION: SRS Distribution Roof Fastening Components

LABELING: Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.

CONTINUED COMPLIANCE: This Evaluation Report is valid until the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to notify Robert Nieminen, P.E. of any changes to the product(s), the Quality Assurance, or the production facility location(s). NEMO|etc. requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Evaluation Report number preceded by the words "NEMO|etc. Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

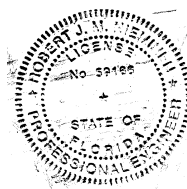
INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 4.

Prepared by:

Robert J.M. Nieminen, P.E.

Florida Registration No. 59166, Florida DCA ANE1983



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 03/29/2021. This does not serve as an electronically signed document.

CERTIFICATION OF INDEPENDENCE:

1. NEMO ETC, LLC does not have, nor does it intend to acquire, or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated, or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO|etc. nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

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ROOFING COMPONENT EVALUATION:
1. SCOPE:
Product Category: Roofing

Sub-Category: Roofing Fasteners

Compliance Statement: SRS Distribution Roof Fastening Components, as produced by SRS Distribution, have demonstrated compliance with the following sections of the 7th Edition (2020) Florida Building Code through testing in accordance with the Standards set forth herein. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

<u>Sections</u>	<u>Property</u>	<u>Standard</u>	<u>Year</u>
1506.6, 1520.4	Corrosion Resistance	TAS 114(E)	2011
1520.4	Withdrawal & Rupture	TAS 117(A), (B), (C)	1995

3. REFERENCES:

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
NEMO	Evaluation Report	A32570.05.12-R2	05/27/2020
NEMO	Traceability	FBC Cross-Listing Agreement	02/09/2021
FM (QUA 1860)	Quality Assurance	PR459420	02/04/2021
FM (QUA 1860)	Quality Assurance	Inspection Report	06/05/2020

4. PRODUCT DESCRIPTION:
4.1 Fasteners:

<u>Part Name</u>	<u>Substrates</u>	<u>Head Style</u>	<u>Drive</u>
TOP SHIELD PRO DP ROOFING FASTENER	Wood, Steel	Truss	#3 Phillips
TOP SHIELD PRO HD ROOFING FASTENER	Wood, Steel, Concrete	Truss	#3 Phillips
TOP SHIELD PRO EHD ROOFING FASTENER	Wood, Steel, Concrete	Truss	#3 Phillips

4.2 Plates:

<u>Part Name</u>	<u>Dimensions</u>
TOP SHIELD PRO 2" METAL SEAM PLATE	0.030" x 2" diameter Galvalume®
TOP SHIELD PRO BARBED STEEL SEAM PLATE	0.040" x 2.4" diameter Galvalume®
TOP SHIELD PRO STEEL INSULATION PLATE	0.018" x 3" diameter Galvalume®

TABLE 1: TYPICAL PERFORMANCE, STATIC WITHDRAWAL, ULTIMATE LOAD (LBF)

Fastener	Substrate		
	Min. 19/32" plywood	Min. 22 ga., Grade 50 Steel	Min. 2,500 psi concrete
TOP SHIELD PRO DP ROOFING FASTENER	556	463	N/A
TOP SHIELD PRO HD ROOFING FASTENER	546	522	760
TOP SHIELD PRO EHD ROOFING FASTENER	628	706	834

**TABLE 2: TYPICAL PERFORMANCE, RUPTURE (PULL-THROUGH), ULTIMATE LOAD (LBF)
TOP SHIELD PRO STEEL INSULATION PLATE WITH BASE SHEETS**

Manufacturer	Base Sheet	Overlying Application	Rupture (lbf)
Generic	ASTM D226, Type II Felt	Hot-asphalt	224
CertainTeed, LLC	Glasbase	Hot-asphalt	155
	Flexiglas Base	Hot-asphalt	253
	All Weather/Empire Base	Hot-asphalt	215
	Flintlastic 20 Base	Hot-asphalt	303
	Flintlastic Poly SMS Base	Hot-asphalt	372
	Yosemite Venting Base	Hot-asphalt	248
	Flintlastic SA NailBase	Self-adhering	278
Firestone Building Products Company	MB Base M	Hot-asphalt	202
	Venting Base	Hot-asphalt	227
	SBS Base	Hot-asphalt	270
GAF	GAFLAS #75 Base Sheet	Hot-asphalt	184
	GAFLAS #80 Ultima Base Sheet	Hot-asphalt	152
	GAFLAS Stratavent Eliminator (Nailable)	Hot-asphalt	155
	GAFLAS FlexPly 6	Hot-asphalt	209
	Liberty MA Mechanically Attached Base Sheet	Self-adhering	300
The Garland Company	HPR Glasbase	Hot-asphalt	204
	HPR Premium Glasbase	Hot-asphalt	224
	HPR Tri-Base Plus	Hot-asphalt	463
Johns Manville	PermaPly 28	Hot-asphalt	185
	Ventsulation	Hot-asphalt	258
	GlasPly Premier	Hot-asphalt	216
	DynaBase	Hot-asphalt	266
	JM APP Base	Torch-applied	208
Derbigum USA	PRS Glass Base	Hot-asphalt	228
	PRS Modified Base Sheet	Hot-asphalt	230
	PRS Vented Base	Hot-asphalt	202
	Derbibase	Torch-applied	241
	Derbibase Ultra	Torch-applied	232
Siplast	Parabase	Hot-asphalt	251
	Parabase Plus	Hot-asphalt	254
Soprema	Modified Sopra-G	Hot-asphalt	216
	Soprabase	Hot-asphalt	380
U.S. Ply, Inc.	USP Base	Hot-asphalt	230
	USP NVB	Hot-asphalt	202
	DuraFlex 30 SBS Base	Hot-asphalt	199
	DuraFlex 60 SBS Base	Hot-asphalt	330
	DuraFlex SBS PolyBase	Hot-asphalt	368

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in FBC High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).
- 5.3 This Evaluation Report 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.
- 5.4 **SRS Distribution Roof Fastening Components** are used within roofing systems holding Florida Statewide Product Approval. The products are for use in those roof assemblies that call-out the products listed herein by name. The performance data noted herein may be used by a qualified design professional in conjunction with system performance data for rational analysis and product substitution purposes on a project-by-project, Local Approval basis.
- 5.5 For use over existing roof substrates, fasteners shall be tested in the existing substrate for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with **ANSI/SPRI FX-1** or **Testing Application Standard TAS 105**.
- 5.6 All products in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**.

6. INSTALLATION:

Installation shall be installed in accordance the manufacturer's published installation instructions and the roof assembly Florida Statewide or Local Product Approval.

7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.

8. MANUFACTURING LOCATIONS:

Bryan, OH

9. QUALITY ASSURANCE ENTITY:

FM Approvals – QUA1860; (781) 255-4783

- END OF EVALUATION REPORT -