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ENGINEER

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

SFS Group USA, Inc.

1045 Spring Street
Wyomissing, PA 19610
(610) 790-0237

PEER-SFS-001.A.R8

FL20311-R8

Date of Issuance: 04/12/2016

Revision 8: 09/22/2026

SCOPE:

This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C 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 compliance with the **9th Edition (2026) Florida Building Code** [sections noted herein](#).

DESCRIPTION: SFS Intec Roof Fastening Components

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

CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its PEER relative to updated Code requirements with each Code Cycle. Reference is made to the NEMO|etc. [Directory of P.E. Evaluations](#) to ascertain the status and/or current version of this PEER. If the PEER is not listed at the Nemo Directory, then it is no longer valid.

ADVERTISEMENT: "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be in its entirety.

INSPECTION: Upon request, a copy of this entire PEER 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 PEER consists of pages 1 through 6.

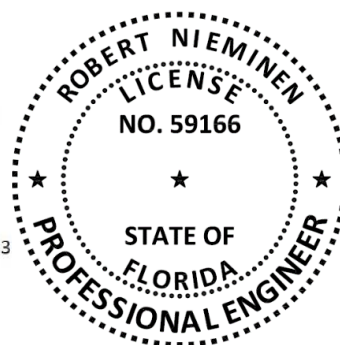
Prepared by:

Digitally signed by
Robert Nieminen
Date: 2026.09.23
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This item has been digitally signed and sealed by
Robert Nieminen, P.E.

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must be verified on any electronic copies.

Robert Nieminen, Florida P.E. 59166, FBC ANE1983
NEMO ETC, LLC, Florida CA #32455



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 PEERs 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, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, 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
Product Approval Method: Method 1, Option D – Codified Material, Evaluation by Engineer
Compliance Statement: **SFS Intec Roof Fastening Components**, as produced by **SFS Group USA, Inc.** have demonstrated compliance with the following sections of the **9th Edition (2026) Florida Building Code** through testing in accordance with the Standards set forth herein. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

2. STANDARDS:

<u>SECTIONS</u>	<u>PROPERTY</u>	<u>STANDARD</u>
1506.6(2), 1513.1, 1520.4, 1523.6.5.2.9	Corrosion Resistance	TAS 114(E)
1520.4, 1523.6.5.2.9	Withdrawal & Rupture	TAS 117(A), (B), (C)

3. REFERENCES:

<u>ENTITY</u>	<u>EXAMINATION</u>	<u>REFERENCE</u>	<u>DATE</u>
ERD (TST 6049)	Withdrawal	SFS-SC5790.04.14	04/30/2014
ERD (TST 6049)	TAS 117(A), (B), (C)	SFS-SC12250.10.17	10/23/2017
FM (TST 1867)	Corrosion Resistance	3003689	09/22/1999
FM (TST 1867)	Corrosion Resistance	3038211	06/30/2010
FM (TST 1867)	Withdrawal & Rupture	3012588	12/28/2004
FM (TST 1867)	Withdrawal & Rupture	3055227	05/21/2015
FM (TST 1867)	Quality Assurance	RRF	05/25/2018
FM (TST1867)	Withdrawal & Corrosion	PR456960 LTR	02/09/2021
NEMO (TST 6049)	TAS 117(A)	4u-SFS-23-SSMFP-01.A	06/20/2024
NEMO (TST 6049)	TAS 117(A)	4u-SFS-SSMFP-001.A	06/20/2024
NEMO (TST 6049)	TAS 117(B)	4i-SFS-SSCRT-001.A.R1	09/15/2025
FM (CER 1840)	Corrosion Resistance	RoofNav Listings	Current
FM (QUA 1860)	Quality Assurance	Inspection Report	01/25/2024
FM (QUA 1860)	Quality Assurance	Florida BCIS	Current

**4. PRODUCT DESCRIPTION:****4.1 FASTENERS:**

<u>PART NAME</u>	<u>SUBSTRATES</u>	<u>HEAD STYLE</u>	<u>DRIVE</u>
Dekfast DF-#12-PH3	Wood, Steel	Truss	#3 Phillips
Dekfast DF-#14-PH3	Wood, Steel, Concrete	Truss	#3 Phillips
Dekfast DF-S4-#14-PH3	Wood, Steel, Concrete	Truss (flat top)	#3 Phillips
Dekfast DF-#15-PH3	Wood, Steel, Concrete	Truss	#3 Phillips
BS-6.1 <i>(not for use in FBC HVHZ)</i>	Steel	Countersunk	T25
Dekfast DF-#12-PC-SQ3	Steel purlin	Truss	#3 Square

4.2 PLATES AND BARS:

<u>PART NAME</u>	<u>DIMENSIONS</u>
Dekfast PLT-P-R-3	3" round plastic
Dekfast PLT-R-3	0.017" x 3" round Galvalume®
Dekfast PLT-H-2-7/8	0.018" x 2 7/8" hexagonal Galvalume®
Dekfast PLT-R-2-4B	0.030" 2" round Galvalume®, 4-barbs
Dekfast PLT-R-2-3/8-6B	0.036" 2.38" round Galvalume®, 6-barbs
Dekfast PLT-O2-3/4-12B	0.047" x 1.5" x 2.75" oval/oblong Galvalume®, 12 barbs
ISO-TAK R-75 Plus	0.59" diameter sleeve, 3" diameter plate, plastic fastening plus <i>(use with BS-6.1)</i>
isoweld FI-P-6.8-PVC	0.030" x 3" round, coated G-90 Galvanized
isoweld FI-P-6.8-TPO	0.030" x 3" round, coated G-90 Galvanized

4.3 PRE-ASSEMBLED COMPONENTS:

<u>PART NAME</u>	<u>SUBSTRATES</u>	<u>DESCRIPTION</u>
Dekfast DF-#12-PH3-P3	Wood, Steel	Dekfast DF-#12-PH3 with Dekfast PLT-P-R-3
Dekfast DF-#14-PH3-P3	Wood, Steel, Concrete	Dekfast DF-#14-PH3 with Dekfast PLT-P-R-3
Dekfast DF-#12-PH3-G3	Wood, Steel	Dekfast DF-#12-PH3 with Dekfast PLT-R-3
Dekfast DF-#14-PH3-G3	Wood, Steel, Concrete	Dekfast DF-#14-PH3 with Dekfast PLT-R-3
Dekfast DF-#14-PH3-G2	Wood, Steel, Concrete	Dekfast DF-#14-PH3 with Dekfast PLT-R-2-4B
Dekfast DF-#15-PH3-O2-3/4	Wood, Steel, Concrete	Dekfast DF-#15-PH3 with Dekfast PLT-O2-3/4-12B

4.4 NOMINAL PERFORMANCE DATA:

- 4.4.1 The nominal performance data below, generated by ISO/IEC 17025 accredited testing laboratories in accordance with codified test methods, is offered as a point-of-reference for use by the Authority Having Jurisdiction at their discretion. No margin of safety has been applied.

TABLE 1A: <u>STATIC</u> WITHDRAWAL PER TAS 117(A) ULTIMATE LOAD (LBF)								
FASTENER	SUBSTRATE							
	15/32" PLYWOOD	19/32" PLYWOOD	22 GA., GRADE 40 STEEL	22 GA., GRADE 80 STEEL	STEEL PURLIN	2,500- 3,000 PSI CONCRETE	TECTUM®	POURED GYPSUM
Dekfast DF-#12-PH3	494	492	406	564	N/A	N/A	N/A	N/A
Dekfast DF-#14-PH3	450	697	519	676	N/A	1150 (3/16" pilot, 1" embed) 1450 (3/16" pilot, 1.25" embed)	N/A	N/A
Dekfast DF-S4-#14-PH3	No data	552	428	568	N/A	827 (1" embed)	N/A	N/A
Dekfast DF-#15-PH3 isofast DF-#12-PH3-BL	499	582	511	683	N/A	798 (1" embed)	N/A	N/A
BS-6.1 (Not for FBC HVHZ)	N/A	N/A	438	593	N/A	N/A	N/A	N/A
Dekfast DF-#12-PC-SQ3	N/A	N/A	N/A	N/A	18 ga.: 424 16 ga.: 724 ¼-in.: 2899	N/A	N/A	N/A

TABLE 1B: <u>PULSATING</u> WITHDRAWAL PER TAS 117(A) ULTIMATE LOAD (LBF)								
FASTENER	SUBSTRATE							
	15/32" PLYWOOD	19/32" PLYWOOD	22 GA., GRADE 40 STEEL	22 GA., GRADE 80 STEEL	STEEL PURLIN	2,500- 3,000 PSI CONCRETE	TECTUM®	POURED GYPSUM
Dekfast DF-#12-PH3	No data	300	328	429	N/A	N/A	N/A	N/A
Dekfast DF-#14-PH3	406	560	425	465	N/A	748 (3/16" pilot, 1" embed) 1070 (3/16" pilot, 1.25" embed)	N/A	N/A
Dekfast DF-S4-#14-PH3	No data	385	294	447	N/A	567 (1" embed)	N/A	N/A
Dekfast DF-#15-PH3	467	464	440	550	N/A	535 (1" embed)	N/A	N/A
Dekfast DF-#12-PC-SQ3	N/A	N/A	N/A	N/A	18 ga.: 386 ¼-in.: 2175	N/A	N/A	N/A

TABLE 2A: BASE SHEET RUPTURE (PULL-THROUGH), (WITH ASPHALT-APPLIED SHEET OVERTOP)			
ULTIMATE LOAD (LBF)			
BASE SHEET		RUPTURE (LBF)	
BY	PRODUCT	DEKFAST PLT-H-2-7/8	DEKFAST PLT-R-3
Amrize	MB Base M	165	169
CertainTeed, LLC	Glasbase Base Sheet	132	184
Performance Roof Systems, Inc. A SOPREMA Group Company	PRS GLASS BASE	176	225
	DERBIBASE	229	176
GAF	GAFGLAS #75 Base Sheet	165	165
The Garland Company, Inc.	HPR Glasbase Sheet	187	187
Johns Manville Corp.	PermaPly 28	161	160
Mid-States Asphalt and Cant Strip, Inc	Arrowglass Base	161	194
Polyglass USA, Inc.	Polyglass G2 Base	212	190
	Elastobase (sand/sand)	234	250
	Elastobase (sand/poly)	364	387
Siplast, Inc.	Parabase	169	192
SOPREMA, Inc.	Modified SOPRA-G	171	171
TAMKO Building Products LLC	Glass-Base	169	172
Tremco CPG Inc	BURmastic Glas Ply	200	178
	BURmastic Composite Ply HT	421	404
U.S. Ply, Inc.	USP Base Sheet	161	168

TABLE 2B: INSULATION RUPTURE (PULL-THROUGH)					
ULTIMATE LOAD (LBF)					
BOARD STOCK				RUPTURE (LBF)	
TYPE	BY	PRODUCT	THICKNESS (IN.)	DEKFAST PLT-H-2-7/8	DEKFAST PLT-R-3
Asphaltic/Mineral	SOPREMA	SOPRABOARD	0.125	233	177
			0.25	192	186
Cement	National Gypsum	DEXcell Cement Roof Board	0.4375	345	364
	U.S. Gypsum	SECUROCK Cement Roof Board	0.5	261	296
Fiberboard	Blue Ridge	STRUCTODEK High Density Fiberboard	0.5	146	152
Gypsum	G-P Gypsum	DensDeck	0.25	179	191
			0.5	281	285
		DensDeck Prime	0.25	241	244
			0.5	256	259
	National Gypsum	DEXcell FA Glass Mat Roof Board	0.25	230	226
			0.5	249	265
	U.S. Gypsum	SECUROCK Gypsum-Fiber Roof Board	0.25	223	231
			0.5	477	433
High Density Polyisocyanurate	Atlas Roofing Corp.	ACFoam Recover Board	0.5	206	185
		ACFoam-HD Coverboard	0.5	205	195
		ACFoam-HD Coverboard-FR	0.625	262	245
	Hunter Panels	H-Shield HD	0.5	177	157
Polyisocyanurate	Atlas Roofing Corp.	ACFoam II	1.5	293	327
		ACFoam III	1.5	296	316
	Hunter Panels	H-Shield	1.5	358	356
		H-Shield CG	1.5	281	279
Mineral Wool	Rockwool	MONOBOARD (unfaced)	1.0	177	180
		TOPROCK DD (unfaced)	2.0	191	212

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 PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.
- 5.2 This PEER 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.
- 5.3 **SFS Intec 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.
- 5.4 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](#), as applicable, to the satisfaction of the Authority Having Jurisdiction.
- 5.5 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.

6. INSTALLATION:

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

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:

Wyomissing, PA

9. QUALITY ASSURANCE ENTITY:

[FM Approvals – QUA1860](#); (781) 255-4783, Joanna.Blaney@fmglobal.com

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.

- END OF PEER -