MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

SFS Intec Inc.
P.O. Box 6326
Wyomissing, PA 19610

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: SFS Dekfast Fastening Systems

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA 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 NOA renews and revises NOA No. 02-0916.05 and consists of pages 1 through 9.
The submitted documentation was reviewed by Jorge L. Acebo.

PRODUCT CONTROL ACCEPTED

ROOFING SYSTEM APPROVAL:

Category: Roofing
Sub-Category: Roofing Fasteners
Material: Steel

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

Product	Dimensions	Test Specifications	Product Description
		FASTENERS	
Dekfast 12	# 12 dia. x 8" max. length; #3 Phillips modified truss head.	TAS 114 TAS 117	Truss head modified BP type, milled slot self-drilling point, 13 threads per inch, carbon steel fastener for use on steel and wood decks. With Sentri (black) coating.
Dekfast 12 Hex	# 12 dia. x 8" max. length; 1/4" hex head.	TAS 114 TAS 117	Hex head modified BP type, milled slot, self-drilling point, 13 threads per inch, carbon steel fastener for use on steel and wood decks. With Sentri (black) coating.
Dekfast 14	# 14 dia. x 12" max. length; #3 Phillips modified truss head.	TAS 114 TAS 117	Truss head modified BP type, self-drilling point, 13 threads per inch, carbon steel fastener for use on steel, wood or concrete decks. With Sentri (black) coating.
Dekfast 15 HS & Dekfast 15 Belted	# 15 dia. x 14" max. length; #3 Phillips modified truss head.	TAS 114 TAS 117	Truss Head, modified BP type, self-drilling point, 13 threads per inch, carbon fastener for use on concrete, steel and wood decks. With Sentri (black) coating.
Dekfast DekSpike	.250" dia. x 14" max. one piece hammer-in concrete anchor with .500" mushroom head	TAS 114 TAS 117	Mushroom head hammer driven anchor for attachment of insulation, membrane and wood blocking.
Dekfast DekLite	11/16" glass reinforced nylon threaded fastener with 1/4" square drive, max. length of 10"	TAS 114 TAS 117	Non penetrating fastener for use in gypsum, lightweight concrete and structural cement fiber decks in combination with hex plate or proprietary membrane plates
Dekfast K-Fast	.333" dia. x 8" max. length; #3 Phillips head.	TAS 114 TAS 117	Phillips Head, carbon fastener for use on steel decks. With Sentri (black) coating.
TPR Peel Rivet		TAS 114 TAS 117	Rivet for insulation or membrane attachment to steel, cementitious wood fiber or gypsum decks.

Product	Dimensions	Test Specifications	Product Description
		PLATES	
Dekfast Isofast IFC/IW-70x70	2¾" x 2¾"	TAS 114 TAS 117	Galvalume 19 ga. steel insulation and membrane attachment stress plate
Isofast IFC/IW-82x40	3¼" x 1⅝" oblong or domed convex	TAS 114 TAS 117	Galvalume 19 ga. steel insulation and membrane attachment stress plate
Dekfast Isofast IF/IG-C-82x40	3¼" x 1⅝" oblong or domed convex	TAS 114 TAS 117	Galvalume 19 ga. steel insulation and membrane attachment stress plate
Dekfast IF-2-SB	2" diameter x .030"	TAS 114 TAS 117	Galvalume AZ 55 steel plate for use with Dekfast #15 HS Fasteners.
Dekfast Isofast IF-2.375-AT Plate	2⅜" diameter x .038"	TAS 114 TAS 117	Galvalume AZ 55 steel plate for use with Dekfast #15 HS Fasteners.
Dekfast Isofast IF-2.375-AT Membrane Plate	2⅜" diameter x .037"	TAS 114 TAS 117	Galvalume AZ 55 steel plate for use with Dekfast #15 HS Fasteners.
Dekfast 2" Tri-Lock Nylon Plate	2" diameter	TAS 114 TAS 117	Nylon Zytel plastic, barbed membrane plate for use with Insul-Fixx fasteners.
Dekfast Galvalume Steel Round 2⅜" 20-Ga Barbed Plate	2.37" diameter x .037"	TAS 114 TAS 117	Galvalume AZ 55 steel, barbed plate for use with all Fasteners.
Dekfast Galvalume Steel Hex	$2^7/_8$" x 3¼" x .018"	TAS 114 TAS 117	Steel, Galvalume AZ50 stress plate for use with all Dekfast fasteners.
Dekfast Recessed Galvalume Steel Hex	$2^7/_8$" x 3¼" x .018"	TAS 114 TAS 117	Steel, Galvalume AZ50 stress plate for use with #12 Dekfast fasteners.
Dekfast Galvalume Steel 3" Round	3" diameter x .018"	TAS 114 TAS 117	Steel, Galvalume AZ50 stress plate for use with all Dekfast fasteners.
Dekfast DekLite Galvalume 3" Round Insulation Plate	3" diameter x .017"	TAS 114 TAS 117	Steel, Galvalume AZ50 stress plate for use with DekLite fastener
Dekfast DekLite Galvalume 2" Round Plate	2" diameter x .032"	TAS 114 TAS 117	Steel, Galvalume AZ50 stress plate for use with DekLite fastener
Dekfast Dekflat Round Plastic Lock Plate	3" diameter	TAS 114 TAS 117	Polypropylene round stress plate with a recessed hole for use with #12, #14 and #15 Dekfast fasteners.

ASSEMBLIES

Dekfast System ES #14 Plastic	Dekfast #14 screw and Dekfast Dekflat Round Plastic Lock Plate assembly.	TAS 114	Phillips head, pinched drill point, preassembled steel screw and 3" plastic plate fastening system for insulation attachment to steel and wood decks.
Dekfast System ES #12 Plastic	Dekfast #12 screw and Dekfast Dekflat Round Plastic Lock Plate assembly.	TAS 114	Phillips head, pinched drill point, preassembled steel screw and 3" plastic plate fastening system for insulation attachment to steel and wood decks.
Dekfast System ES #12 Steel	Dekfast #12 screw and Dekfast Galvalume Steel 3" Round Plate assembly.	TAS 114	Hex washer head, pinched drill point, carbon steel screw and 3" metal plate fastening system for insulation and membrane attachment into steel decks

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Factory Mutual Research Corporation	4470	J.I. 0Y8A5.AM	07/25/95
	4470	J.I. 0W0Q3.AM	05/08/95
	4470	J.I. IR5A7.AM	05/06/91
	4470	J.I. 0Y0A8.AM	08/17/95
	4470	3030118	05/11/07
	4470	3009012	11/21/00
	4450	3003515	08/17/01
	4470	3023807	06/08/06
	4470	3015205	05/10/04
	4470	3012588	12/28/04
Case Consulting Laboratories, Inc.	Pull Out	NO. 00211-001	09/02/87
Exterior Research & Design, LLC.	TAS 117 (A), (B) & (C)	#3806.03.97-1	03/15/97
	TAS 117 (A)	#3907.12.97-1	12/15/97
	TAS 117(A), (B) & (C)	Report #4593.12.97-1	12/15/97
ATEC ASSOCIATES, INC.	Pull Out / Shear Data	02108/4831	09/28/90
Dynatech Engineering Corporation	Pull Out/Pull Over Data	6.94.2	06/04/94
Trinity Engineering, Inc.	Dynamic Pull Through TAS 117(B)	Report #4590.10.95-1	10/01/95

TYPICAL PROPERTIES			
Withdrawal Resistance Performance - TAS 117(A) - Static Load			
Fastener	**Deck Type**	**min. Penetration / Embedment**	**Static Withdrawal Resistance (lbf)**
Dekfast 12 (or 12 Hex)	min. 19/32" plywood	½"	204.5
	min. 22 ga. grade A steel	½"	213.5
Dekfast 14	min. 19/32" plywood	½"	222.0
	min. 22 ga. grade A steel	½"	261.0
	min. 3,000 psi concrete	1"	301.5
Dekfast 15	min. 19/32" plywood	½"	304.0
	min. 22 ga. grade A steel	½"	273.0
	min. 3,000 psi concrete	1"	331.5
Dekfast K-Fast	min. 22 ga. grade E steel	½"	973.3
DekSpike	min. 3,000 concrete	1"	355.0
DekLite	Cementitious wood fiber	1.5"	123.0
	poured gypsum	1.5"	155.9
	Min. 200 psi cellular LWC (28 day cure)	1.5"	110.8
	Min. 200 psi aggregate LWC (28 day cure)	1.5"	188.1
TPR Peel Rivet	Aged gypsum (through)	N/A	334.3
	Aged gypsum (embedded)	1"	306.6
	Min. 22 ga. steel	N/A	231.2
	Min. 26 ga. steel	N/A	157.9
	Tectum (through)	N/A	98.4

Withdrawal Resistance Performance - TAS 117(A) - Pulsating Load			
Fastener	**Deck Type**	**min. Penetration / Embedment**	**Static Withdrawal Resistance (lbf)**
Dekfast 12 (or 12 Hex)	min. 19/32" plywood	½"	163.0
	min. 22 ga. grade A steel	½"	169.8
Dekfast 14	min. 19/32" plywood	½"	187.2
	min. 22 ga. grade A steel	½"	163.9
	min. 3,000 psi concrete	1"	285.0
Dekfast 15 HS & Dekfast 15 Belted	min. 19/32" plywood	½"	228.7
	min. 22 ga. grade A steel	½"	179.5
	min. 3,000 psi concrete	1"	302.6
DekSpike	min. 3,000 concrete	1"	322.7
DekLite	Cementitious wood fiber	1.5"	112.9
	poured gypsum	1.5"	125.7
	Min. 200 psi cellular LWC (28 day cure)	1.5"	89.5
	Min. 200 psi aggregate LWC (28 day cure)	1.5"	150.8
TPR Peel Rivet	Aged gypsum (through)	N/A	280.0
	Aged gypsum (embedded)	1"	215.0
	Min. 22 ga. steel	N/A	230.5
	Min. 26 ga. steel	N/A	145.5
	Tectum (through)	N/A	79.5

Base Sheet Pull-Through Performance, Dekfast Hex Plate, TAS 117(B)		
Base Sheet Manufacturer	**Base Sheet**	**Dynamic Pull Through Value (lbf)**
Generic	ASTM #30	89
Generic	ASTM #43	115
Allied Signal	Black Armor Glass Base	118
Black Warrior	Arrowglass Base	105
Celotex Corporation	HydroStop	240
	Vaporbar GB	127
The Garland Company	HPR Glasfelt	139
GAF Materials Corporation	GAFGLAS #75	159
GS Roofing Products Company, Inc.	GlasBase	134
	Poly SMS	257
Koppers Industries	Glass Fiber Base Sheet	136
	Organic Base Sheet	193
Malarkey Roofing Company	#501 Premium I	156
	#602 Arctic Shield	170
	#603 Superbase	210
	#605 Panoply	317
Johns Manville Corporation	NBS G-2 Base	123
	Nordstar Base	214
	Glass Ply Premier	167
	Dynabase	209
	Glasbase	157
	Ventsulation	147
Siplast	Parabase	122
	Parabase Plus	176
SOPREMA, Inc.	Sopra-G	161
	Elastophene 180	253
	Sopralene 180	253
Tamko Roofing Products, Inc.	Glass-Base	173
	Base-N-Ply	201
	Versa Base	235
	Type 43 Base Sheet	188
Tremco	BURMastic Glass Ply	156
	BURMastic Composite Ply	331
U.S. Intec, Inc.	Ultra Base	157
	Modified Base	281
W.P. Hickman Systems, Inc.	Multi Ply	197
	Performance Ply	285
	Multi-Ply Glass CL	294

1 Dynamic Pull-Through Values listed relate to Dekfast Hex Plate bonded between listed base sheet and one ply of type IV in 25 lbs/sq of ASTM D 312, type III asphalt.

Membrane Pull-Through Performance, TAS 117(B)		
Stress Plate	**Membrane**	**Dynamic Pull Through Value (lbf)**
Dekfast 2" Tri-Lock Nylon Plate	Carlisle Sure Seal	148.2
	CentiMark HyPlus	162.9
	GenFlex RM	187.3
	HPG SR-50	213.0
	RPM HyShield	159.3
	Seal-Dry 3000	203.9
Dekfast Galvalume Steel 3" Round	Carlisle Sure Seal	120.2
	Firestone Rubbergard	151.5
	GenFlex II	140.7
Dekfast Galvalume Steel Round 2⅜" 20-Ga Barbed Plate	CentiMark HyPlus	178.9
	Firestone UltraPly 78+	189.8
	GenFlex RM	238.6
	HPG SR-50	244.0
	RPM HyShield	185.9
	Seal-Dry 3000	255.6

Notes: 1. A margin of safety of 2 to 1 has been applied to test results producing the design values noted herein.

APPROVED APPLICATIONS:

Trade Name: Dekfast 12

Deck: 18-22 ga. steel, wood, min. $^{19}/_{32}$" plywood or wood plank.

Compatible Plate(s): Lock Plate or Hex Plate (insulation only), 2" round barbed seam plate, 2" round seam plate and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Product Control Notice of Acceptance.

Application: See specific Roof Assembly Product Control Notice of Acceptance for fastener density and approved attachment patterns.

Trade Name: Dekfast 12 Hex

Deck: 18-22 ga. steel, wood, min. $^{19}/_{32}$" plywood or wood plank.

Compatible Plate(s): Hex Plate (insulation only) and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Product Control Notice of Acceptance.

Application: See specific Roof Assembly Product Control Notice of Acceptance for fastener density and approved attachment patterns.

Trade Name: Dekfast 14

Deck: 18-22 ga. steel, wood, min. $^{19}/_{32}$" plywood or wood plank, 2500 psi concrete or concrete plank.

Compatible Plate(s): Lock Plate or Hex Plate (insulation only), 2" round barbed seam plate, 2" round seam plate and proprietary seam and fastening assembly plates for membrane and component attachment listed in the specific Roof Assembly, Product Control Notice of Acceptance.

Application: See specific Roof Assembly Product Control Notice of Acceptance for fastener density and approved attachment patterns.

Trade Name: Dekfast 15 HS & Dekfast 15 Belted

Deck: 18-22 ga. steel, wood, min. $^{19}/_{32}$" plywood or wood plank, 2500 psi concrete or concrete plank.

Compatible Plate(s): Lock Plate or Hex Plate (insulation only), 2" round barbed seam plate, 2" round seam plate and proprietary seam and fastening assembly plates for membrane and component attachment listed in the specific Roof Assembly, Product Control Notice of Acceptance.

Application: See specific Roof Assembly Product Control Notice of Acceptance for fastener density and approved attachment patterns.

Trade Name: DekSpike®

Deck: Structural concrete, 2500 psi and greater and precast concrete plank.

Compatible Plate(s): Lock Plate or Hex Plate and proprietary seam and fastening assembly plates for membrane and component attachment listed in the specific Roof Assembly, Product Control Notice of Acceptance.

Application: See specific Roof Assembly Product Control Notice of Acceptance for fastener density and approved attachment patterns.

Trade Name: DekLite™

Deck: Poured gypsum and gypsum plank; Cementitious wood fiber and lightweight concrete.

Compatible Plate(s): Hex Plate for use with DekLite only (insulation only), 2" round barbed seam plate, 2" round seam plate for use with DekLite only for membrane and component attachment listed in the specific Roof Assembly, Product Control Notice of Acceptance.

Application: See specific Roof Assembly Product Control Notice of Acceptance for fastener density and approved attachment patterns.

Trade Name: Dekfast K-Fast

Deck: 18-22 ga. Steel

Compatible Plate(s): Galvalume Hex Plate (insulation only), Galvalume 2⅜" round barbed seam plate and proprietary seam and fastening assembly plates for membrane and component attachment listed in the specific Roof Assembly, Product Control Notice of Acceptance.

Application: See specific Roof Assembly Product Control Notice of Acceptance for fastener density and approved attachment patterns.

Trade Name: TPR Peel Rivet

Deck: 22-26 ga. steel., cementitious wood fiber, gypsum

Compatible Plate(s): 2", 2-3/8", 2-3/16" diameter barbed steel, Extra Load Plate LR6, and proprietary seam and fastening assembly plates listed in the specific Roof Assembly Product Control Notice Of Acceptance.

Application: See specific Roof Assembly Product Control Notice of Acceptance for fastener density and approved attachment patterns.

GENERAL LIMITATIONS:

1 SFS Stadler, Inc. fasteners are a component part of a Miami-Dade Approved Roof Assembly. These products are approved for use only with those roof assemblies listing these products as an approved component. Refer to an approved Roof Assemblies Notices of Acceptance for use, density and attachment patterns.

2. Fasteners shall be installed in strict compliance with manufacturer's installation instructions, and in compliance with the requirements set forth in Roofing Application Standard RAS 111 & 117.

END OF THIS ACCEPTANCE