



**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.
Spring St. & Van Reed Rd.
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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: SFS Intec Roofing Assemblies

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 consists of pages 1 through 8.
The submitted documentation was reviewed by Frank Zuloaga, RRC



**NOA # 02-0916.05
Expiration Date: 12/05/07
Approval Date: 12/05/02
Page 1 of 8**

ROOFING SYSTEM APPROVAL:

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

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
FASTENERS			
Base-Lok Fastener	3" head dia. x 1.7" long	PA 117(A) PA 117(B)	Base sheet fastener for use in lightweight concrete, cementitious wood fiber and gypsum roof decks.
Isofast IF2 or IF2-S	#10 diameter x 6¼" max. length	PA 114 PA 117	Hex washer head, pinched drill point, carbon steel or stainless steel fastener for insulation and membrane attachment into steel decks.
Isofast IF2-C or IF2-C-S	#10 diameter x 6¼" max. length	PA 114 PA 117	Oval head, pinched drill point, carbon steel or stainless steel fastener for insulation and membrane attachment into steel decks.
Isofast IG or IG-S	¼" diameter x 6¼" max. length	PA 114 PA 117	Hex washer head, needlepoint, carbon steel or stainless steel fastener for insulation and membrane attachment into wood decks.
#12 Insul-Fixx	#12-11 x 8" max. length	PA 114 PA 117	Phillips head, pinched drill point, steel fastener for insulation and membrane attachment in steel or wood decks.
#14 Insul-Fixx HD	#14-10 x 18" max. length	PA 114 PA 117	Phillips head, pinched drill point, steel fastener for insulation and membrane attachment in steel or concrete decks.
#15 Extra Load HD	#15 x 12" max. length	PA 114 PA 117	Phillips head, steel fastener for insulation or membrane attachment to steel or concrete decks.
TPR		PA 114 PA 117	Rivet for insulation or membrane attachment to steel cementitious wood fiber or gypsum decks.



PLATES

Isofast IFC/IW-70x70	2¾" x 2¾"	PA 114 PA 117	Galvalume 19 ga. steel insulation and membrane attachment stress plate
Isofast IFC/IW-82x40	¾" x 1½" oblong or domed convex	PA 114 PA 117	Galvalume 19 ga. steel insulation and membrane attachment stress plate
IF-3"-S Type I Bore	3" diameter	PA 114 PA 117	Galvalume AZ 55 steel plate for use with Isofast IF 2 fasteners.
IF-3"-S Type II Bore	3" diameter	PA 114 PA 117	Galvalume AZ 55 steel plate for use with Insul-Fixx Fasteners.
Insul-Fixx P	3" diameter	PA 114 PA 117	High density polyethylene plastic plate for use with Insul-Fixx fasteners.
Insul-Fixx S	3" diameter	PA 114 PA 117	26 ga. galvalume AZ 55 plate for use with Insul-Fixx fasteners.
2" Plastic Plate	2" diameter	PA 114 PA 117	Nylon Zytel plastic, barbed membrane plate for use with Insul-Fixx fasteners.
Extra Load Plate LR6	2.37" diameter	PA 114 PA 117	Galvalume AZ 55 steel, barbed plate for use with #15 Extra Load HD Fasteners.

ASSEMBLIES

System ES or ES #14	#12 Insul-Fixx or #14 Insul-Fixx HD screw and Insul-Fixx P plate assembly.	PA 114	Phillips head, pinched drill point, preassembled steel screw and 3" plastic plate fastening system for insulation attachment to steel and wood decks.
Metal ES	Isofast IF2 screw and IF-3"-S Type I Bore Plate assembly.	PA 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

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research Corporation	Standard 4470 PA 114	J.I. 0Y8A5.AM	07/25/95
Case Consulting Laboratories, Inc.	Pull Out	NO. 00211-001	09/02/87
Exterior Research & Design, LLC.	PA 117 (A), (B) & (C)	#3806.03.97-1	03/15/97
Exterior Research & Design, LLC.	PA 117 (A)	#3907.12.97-1	12/15/97

TYPICAL PROPERTIES			
Withdrawal Resistance Performance - PA 117(A) - Static Load			
Fastener	Deck Type	min. Penetration / Embedment	Static Withdrawal Resistance (lbf)
Insul-Fixx #12	Min. 19/32" plywood	1/2"	255.5
	Min. 22 ga. grade A steel	1/2"	152.0
Insul-Fixx #14 HD	Min. 22 ga. grade A steel	1/2"	153.0
	Min. 3,000 psi concrete	1"	391.5
#15-13 Extra Load	Min. 22 ga. grade A steel	1/2"	234.5
	Min. 3,000 concrete	1"	436.5
Isofast IF2	22 ga. grade A steel	1/2"	145.5
Isofast IG	Min. 19/32" plywood	1/2"	258.0
Base-Lok	Tectum	N/A	96.1
	Min. 200-psi cellular lwc	N/A	3-day cure = 48.3 28-day cure = 90.8
	Min. 180-psi aggregate lwc	N/A	3-day cure = 29.0 28-day cure = 90.8
TPR	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 - PA 117(A) - Pulsating Load			
Fastener	Deck Type	min. Penetration / Embedment	Static Withdrawal Resistance (lbf)
Insul-Fixx #12	Min. 19/32" plywood	1/2"	148.5
	Min. 22 ga. grade A steel	1/2"	106.0
Insul-Fixx #14 HD	Min. 22 ga. grade A steel	1/2"	125.0
	Min. 3,000 psi concrete	1"	235.5
#15-13 Extra Load	Min. 22 ga. grade A steel	1/2"	178.5
	Min. 3,000 concrete	1"	312.5
Isofast IF2	22 ga. grade A steel	1/2"	132.0
Isofast IG	Min. 19/32" plywood	1/2"	222.5
Base-Lok	Tectum	N/A	96.1
	Min. 200-psi cellular lwc	N/A	28-day cure = 63.3
	Min. 180-psi aggregate lwc	N/A	28-day cure = 71.1
TPR	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 Rupture Performance - PA 117(B), Insul-Fixx S Plate			
Base Sheet	Value	Base Sheet	Value
Firestone MB Base	116.5	SOPREMA Sopraglass 100	129.0
GAFGLAS #75	82.5	SOPREMA Sopra-G	110.0
GAFGLAS Stratavent	99.5	SOPREMA Modified Sopra-G	119.5
GAFGLAS Ply 4	111.0	SOPREMA Sopravent	97.5
GAF Ruberoid Base	105.5	SOPREMA Sopralene 180	236.0
GS GlasBase	84.5	Tamko Glass-Base	110.5
GS Flex-I-Glas Base	106.5	Tamko Vapor-Chan	110.0
GS Poly SMS Base	223.5	Tamko Base-N-Ply	127.0
Malarkey #501	97.0		
Malarkey #602	117.5		
Malarkey #603	127.5		
Malarkey #605	159.5		

Base Sheet Rupture Performance - PA 117(B), Base-Lok Fastener			
Base Sheet	Value	Base Sheet	Value
Celotex Hydrostop	107.8	Johns Manville Dynabase	104.9
GAFGLAS #75	87.4	Johns Manville Ventsulation	104.1
GAFGLAS Stratavent	109.0	SOPREMA Sopraglass 100	85.0
GS All Weather/Empire	79.5	SOPREMA Sopravent	110.0
GS Glass Base	96.0	SOPREMA Sopra-G	99.3
GS Flex-I-Glas Base	106.6	SOPREMA Modified Sopra-G	99.4
GS PolySMS	115.0	SOPREMA Sopralene 180	129.6
Malarkey #501	96.1	US Intec Ultrabase	97.7
Malarkey #515	93.6	US Intec Flex Base 30	103.8



Malarkey #603	107.6	US Intec 190P	120.8
Malarkey #605	109.0	US Intec Permavent	85.1
Johns Manville Glasbase	90.4	US Intec Bondable Base	80.9

Single Ply Lap Rupture Performance - PA 117(B) - Isofast IF/IG-C					
Manuf.	Membrane	Rupture Value (lbf)	Manuf.	Membrane	Rupture Value (lbf)
Genflex	Genflex RM (≥ 48 mil)	189.5	Sarnafil	S327 (≥ 48 mil)	234.0
HPG	SR-50 (≥ 48 mil)	118.0	Seaman	FiberTite or FiberTite XL	181.5

Single Ply Lap Rupture Performance - PA 117(B) 2" Diameter Round Nylon Barbed					
Manuf.	Membrane	Rupture Value (lbf)	Manuf.	Membrane	Rupture Value (lbf)
Genflex	Genflex RM (≥ 48 mil)	136.5	Seaman	FiberTite or FiberTite XL	175.5
HPG	SR-50 (≥ 48 mil)	151.0			

Single Ply Lap Rupture Performance - PA 117(B) 2-3/8" Diameter Round Steel Barbed		
Manuf.	Membrane	Rupture Value (lbf)
HPG	SR-50 (≥ 48 mil)	159.5

Single Ply Lap Rupture Performance - PA 117(B) 2-3/16" Diameter Round Barbed Steel		
Manuf.	Membrane	Rupture Value (lbf)
Seaman	FiberTite or FiberTite XT	202.0

Single Ply Lap Rupture Performance - PA 117(B) 2" Diameter Round Barbed Steel					
Manuf.	Membrane	Rupture Value (lbf)	Manuf.	Membrane	Rupture Value (lbf)
Genflex	Genflex RM (≥ 48 mil)	118.0	GS Roofing	PolySMS Base	206.5
HPG	SR-50 (≥ 48 mil)	153.0	SOPREMA	Sopralene 180	195.5
Seaman	FiberTite or FiberTite XL	189.5			

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



APPROVED APPLICATIONS

Trade Name: Isofast IF2

Deck: 18-22 ga. steel

Compatible Plate(s): Isofast IF/IG load distribution plates, 2 3/4" x 2 3/4" or 3 1/4" x 1 1/2", 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 accepted uses, and approved attachment patterns.

Trade Name: Isofast IF2-C

Deck: 18-22 ga. steel

Compatible Plate(s): IFC/IW load distribution plate, 2 3/4" x 2 3/4", and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice Of Acceptance.

Application: See specific Roof Assembly Product Control Notice of Acceptance for accepted uses, and approved attachment patterns..

Trade Name: Isofast IG

Deck: min. 19/32" plywood or wood plank

Compatible Plate(s): Isofast IF/IG load distribution plates, 2 3/4" x 2 3/4" or 3 1/4" x 1 1/2", 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 accepted uses, and approved attachment patterns.

Trade Name: #12 Insul-Fixx

Deck: 18-22 ga. steel., min. 19/32" plywood or wood plank

Compatible Plate(s): Insul-Fixx P, Insul-Fixx S and Insul-Fixx 2" round barbed 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 accepted uses, and approved attachment patterns.

Trade Name: #14 Insul-Fixx

Deck: 18-22 ga. steel., 2500 psi concrete or concrete plank

Compatible Plate(s): Insul-Fixx P, Insul-Fixx S and Insul-Fixx 2" round barbed 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 accepted uses, and approved attachment patterns.

Trade Name: #15-13 Extra Load Fastener

Deck: 18-22 ga. steel., min. 19/32" plywood, 2500 psi concrete or concrete plank

Compatible Plate(s): 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 accepted uses, and approved attachment patterns.

Trade Name: #15-13 Extra Load Fastener

Deck: 18-22 ga. steel., min. 19/32" plywood, 2500 psi concrete or concrete plank

Compatible Plate(s): 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 accepted



uses, and approved attachment patterns.

Trade Name: System **ES or Metal ES (#12 or #14)**

Deck: 18-22 ga. steel., min. 19/32" plywood or wood plank

Compatible Plate(s): Preassembled 3" Polyethylene Plastic Stress Plate or 3" metal 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 accepted uses, and approved attachment patterns.

Trade Name: **Base-Lok Fastener**

Deck: Cementitious Wood Fiber, Poured Gypsum or Lightweight Insulating Concrete decks.

Compatible Plate(s): (Base-Lok integral plate).

Application: See specific Roof Assembly Product Control Notice of Acceptance for accepted uses, and approved attachment patterns.

Trade Name: **TPR**

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 accepted uses, 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 117.

End of this Acceptance



NOA # 02-0916.05
Expiration Date: 12/05/07
Approval Date: 12/05/02
Page 8 of 8