



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Altenloh, Brinck & Co. U.S., Inc.
02105 Williams County Road 12-C
Bryan, Ohio 43506

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Trufast Roofing Fastener 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 NOA renews and revises NOA #20-1006.03 and consists of pages 1 through 16.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 22-1214.02
Expiration Date: 04/17/24
Approval Date: 03/23/23
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ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Roofing Fastener
Material: Steel

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

FASTENERS: *Manufactured at Location #1*

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Trufast #14 HD Fastener	#14 x 12" max. length	TAS 114 TAS 117	Carbon steel screw with #3 phillips drive, modified truss head for use in steel, wood or concrete decks. TruKote epoxy coating.
Trufast #14 HD Stainless Steel Bi-Metal Fastener	#14 x 12" max. length	TAS 114 TAS 117	Stainless steel screw with a hardened carbon steel drill point. #3 Phillips drive, modified truss head for use in steel, wood, or concrete decks. TruKote epoxy coating.
Trufast #15 EHD Fastener	#15 x 24" max. length	TAS 114 TAS 117	Carbon steel screw with #3 phillips drive, modified truss head for use in steel, wood or concrete decks. TruKote epoxy coating.
Trufast #12 DP Fastener	#12 x 8" max. length	TAS 114 TAS 117	Carbon steel screw with #3 phillips drive, modified truss head for use in steel or wood decks. TruKote epoxy coating.
Trufast #12 DPH Fastener	#12 x 8" max. length	TAS 114 TAS 117	Carbon steel screw with 1/4" hex washer head for use in steel or wood decks. TruKote epoxy coating.
Trufast #12 Purlin Fastener	#12 x 8-3/4" max. length	TAS 114 TAS 117	Carbon steel screw with #3 square drive, modified truss head and long pilot-point for use in min. 18 ga. steel purlin. TruKote epoxy coating.
Trufast TL Fastener	0.687" thread dia. x 14" max. length. To be used in combination with Trufast TL Insulation or Seam plate.	TAS 114 TAS 117	Glass reinforced nylon fastener with #4 square drive on 1" diameter head. For use in gypsum and cementitious wood fiber decks.
Trufast #14 Stainless Steel HD Fastener	#14 x 12" max. length	TAS 114 TAS 117	316 stainless screw with carbon steel drill point with #3 phillips drive, modified truss head for use in steel, wood and concrete decks. Electro-Zinc coating.
Trufast SIP TP Fastener	#14 x 18" max. length	TAS 114 TAS 117	Carbon steel screw with T-30 6 lobe drive, large pancake head for use in wood decks. TruKote epoxy coating.



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FASTENERS: *Manufactured at Location #1*

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Trufast SIP LD Fastener	#14 x 18" max. length	TAS 114 TAS 117	Carbon steel screw with T-30 6 lobe drive, large pancake head for use in steel, wood or concrete decks. TruKote epoxy coating.
Trufast SIP HD Fastener	#14 x 14-3/4" max. length	TAS 114 TAS 117	Carbon steel screw with T-30 6 lobe drive, 0.635" dia. large pancake head for use in min. 16 ga. to max. 3/8" steel purlin. TruKote epoxy coating.
Trufast VERSA-FAST Fastener	0.250" thread dia. x 4-1/4" max. length. To be used in combination with Trufast VERSA-FAST Metal plate.	TAS 114 TAS 117	Carbon steel screw with #2 phillips drive, modified truss head for use in lightweight insulating concrete decks and various poured gypsum decks. TruKote epoxy coating.

FASTENERS: *Manufactured at Location #2*

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Trufast FM-75 Base Sheet Fastener	2.7" head 1.2" long	TAS 114 TAS 117	Two piece factory assembled base ply fastener/plate unit with dual gripping shanks and integral rib reinforced Galvalume stress distribution plate, formed from 0.013" thick G-90 galvanized steel or cold rolled steel that is coated with a black urethane coating. For use in lightweight insulating concrete, NVS concrete and various poured gypsum decks.
Trufast FM-90 Base Sheet Fastener	2.7" head 1.7" long	TAS 114 TAS 117	Two piece factory assembled base ply fastener/plate unit with dual gripping shanks and integral rib reinforced Galvalume stress distribution plate, formed from 0.013" thick G-90 galvanized steel or cold rolled steel that is coated with black urethane coating. For use in lightweight insulating concrete decks and various poured gypsum decks.
Trufast Twin Loc-Nail Assembled Fastener	2.7" head 1.4" long, 1.8" long, 2.8" long, 3.8" long, 4.8" long	TAS 114 TAS 117	Three piece factory assembled fastener/plate unit. Tube formed from .030" thick AZ-55 Galvalume or G-90 galvanized steel. A 2.7" diameter disk formed from .018" AZ-55 Galvalume steel is factory assembled to each fastener. Locking staple formed from .080" stainless steel or coated steel is factory assembled into tube. For base sheet and insulation attachment to new or existing cementitious wood fiber, poured gypsum and lightweight insulating concrete decks.

PLATES: *Manufactured at Location #1*

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Trufast 3" Metal Insulation Plate	3" Round with reinforcing ribs	TAS 114 TAS 117	Galvalume steel stress plate for use with Trufast fasteners.
Trufast VERSA-FAST Metal Plate	3" Round with reinforcing ribs	TAS 114 TAS 117	Galvalume steel stress plate for use with Trufast VERSA-FAST Fasteners.
Trufast PVC IW Plate	3" Round	TAS 114 TAS 117	Galvalume steel stress plate for use with Trufast fasteners and PVC membranes.
Trufast TPO IW Plate	3" Round	TAS 114 TAS 117	Galvalume steel stress plate for use with Trufast fasteners and TPO membranes.
Trufast 3" Recessed Metal Insulation Plate	3" Round with reinforcing ribs and recessed center hole.	TAS 114 TAS 117	Galvalume steel stress plate for use with Trufast fasteners.
Trufast 2" Barbed Metal Seam Plate	2" Round with reinforcing ribs and barbs	TAS 114 TAS 117	Galvalume steel stress plate for use with Trufast fasteners.
Trufast 2" Metal Seam Plate	2" Round with reinforcing ribs	TAS 114	Galvalume steel stress plate for use with Trufast fasteners.
Trufast 2.4" Barbed Metal Seam Plate	2.4" Round with reinforcing ribs and barbs	TAS 114	Galvalume steel stress plate for use with Trufast fasteners.
Trufast 2.4" Barbed Metal Seam Plate (14 Barb)	2.4" Round with reinforcing ribs and barbs	TAS 114 TAS 117	Galvalume steel stress plate for use with Trufast fasteners.
Trufast 2.4" Scoop Seam Plate	2.4" Round with reinforcing ribs and barbs	TAS 114	Galvalume steel stress plate for use with Trufast fasteners.
Trufast 2-3/4" Barbed Metal Seam Plate (EHD)	2.75" Round with reinforcing ribs and barbs	TAS 114	Galvalume steel stress plate for use with Trufast fasteners.
Trufast 2-3/4" Barbed Metal Seam Plate (SHD)	2.75" Round with reinforcing ribs and barbs	TAS 114	Galvalume steel stress plate for use with Trufast fasteners.
Trufast 3" TL Insulation Plate	3" Round with reinforcing ribs.	TAS 114 TAS 117	Galvalume steel stress plate for use with Trufast TL Fasteners.

PLATES: *Manufactured at Location #1*

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Trufast 2" TL Seam Plate	2" Round with reinforcing ribs and barbs	TAS 114 TAS 117	Galvalume steel stress plate for use with Trufast TL Fasteners.
Trufast Flat Batten Bar	18 ga. x 1" wide x 10' long with holes 6" or 12" o.c.	TAS 114	Galvalume batten bar for use with approved Trufast fasteners.
Trufast Recessed Batten Bar	18 ga. x 1" wide x 10' long with recessed holes 6" or 12" o.c.	TAS 114	Galvalume batten bar for use with approved Trufast fasteners.

PRE-ASSEMBLED SYSTEMS: *Manufactured at Location #1*

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Trufast DP Pre-Assembled Insulation Plate	See components above	TAS 114 TAS 117	Preassembled Trufast #12 DP fastener with Trufast 3" Metal Insulation Plates.

MANUFACTURING LOCATIONS:

1. Bryan, OH.
2. Holland, MI.



EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual	Pull Out/Shear Data	1G1A6.AM	3/26/82
Research Corporation	Pull Out/Shear Data	1H2A0.AM	5/26/83
	Pull Out/Shear Data	0J9A1.AM	7/11/85
	Pull Out/Shear Data	0N0A7.AM	5/9/86
	Pull Out/Shear Data	0N0A8.AM	10/7/86
	Corrosion Resistance	0P0Q8.AM	3/9/89
	Pull Out/Shear Data	1Q2A2.AM	10/27/89
	Wind Uplift	0R0Q1.AM	03/22/91
	Wind Uplift	1V1A9.AM	07/12/91
	Standard 4470	0V8A3.AM	11/13/91
	Standard 4470	1V9A8.AM	02/25/92
	Wind Uplift	0W2A0.AM	03/19/92
	Pull Out/Shear Data	0V7A4.AM	6/10/92
	Wind Uplift	1W5A2.AM	10/05/92
	Wind Uplift	0W4A1.AM	01/04/93
	Corrosion Resistance	0W4A1.AM	01/07/93
	Testing of Loc-Nails		
	Pull Out/Shear Data	1W7A7.AM	3/17/93
1994 FMRC APPROVAL		18-134	1/94
	GUIDE		
	Standard 4470	3W3A5.AM	01/27/94
	Corrosion Resistance	3031797	05/19/08
	FM 4470	3040205	06/08/10
	FM 4470	PR449339	06/01/18
	FM 4470	3059661	09/21/18
	FM 4470	PR451160	03/12/20
Exterior Research & Design, LLC.	TAS 117(A), (B) & (C)	#4670.07.97-1	07/20/97
	TAS 117 (A), (B) & (C)	#4712.02.98-1	12/15/98
Trinity ERD	TAS 117(A) & (B)	#EO8950.04.08	04/17/08
	TAS 117 (A) & (B)	E41800.10.12	10/18/12
NEMO etc.	TAS 117 (A) & (B)	4-AB-18-001.05.18	05/08/18
	TAS 117 (A)	4S-AB-18-001.08.18	08/01/18
		4u-AB-22-SSMFP-01	
Trinity Engineering, Inc.	Dynamic Pull Through	#4670.10.95-1	10/01/95
	TAS 117(B)		
PRI Construction	TAS 114	ESP-001-02-01	01/23/12
Materials Technologies			02/20/12

TYPICAL PROPERTIES:

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

Withdrawal Resistance Performance - TAS 117(A) - Static Load			
<u>Fastener</u>	<u>Deck Type</u>	<u>min. Penetration / Embedment</u>	<u>Static Withdrawal Resistance (lbf)</u>
Trufast #12 DP Fastener, Trufast #12 DPH Fastener	Min. 19/32" plywood	3/4"	278.0
	Min. 22 ga., 50ksi steel	3/4"	232.0
Trufast #14 HD Fastener	Min. 19/32" plywood	3/4"	273.0
	Min. 22 ga., 50ksi steel	3/4"	261.0
	2,500 – 3,000 psi concrete	1"	297.0
Trufast #14 HD Stainless Steel Bi-Metal Fastener	Min. 19/32" plywood	3/4"	304.0
	Min. 22 ga., 50ksi steel	3/4"	204.0
Trufast #14 Stainless Steel HD Fastener	Min. 22 ga., 50ksi steel	3/4"	264.0
	2,500 – 3,000 psi concrete	1"	281.0
Trufast #15 EHD Fastener	Min. 19/32" plywood	3/4"	314.0
	Min. 22 ga., 50ksi steel	3/4"	353.0
	2,500 – 3,000 psi concrete	1"	417.0
Trufast #12 Purlin Fastener	Structural Steel (1/8")	1"	987.0
	Structural Steel (1/4")	1"	1877.0
Trufast SIP TP Fastener	Min. 19/32" plywood	3/4"	256.0
Trufast SIP LD Fastener	Min. 19/32" plywood	3/4"	270.0
	Min. 22 ga., 50ksi steel	3/4"	245.0
	2,500 – 3,000 psi concrete	1"	423.0
Trufast SIP HD Fastener	Structural Steel (1/8")	1"	1021.0
	Structural Steel (1/4")	1"	2660.0
Trufast TL Fastener	Tectum	1 1/2"	253.0
	Poured Gypsum	2"	200.0

Withdrawal Resistance Performance - TAS 117(A) - Static Load			
<u>Fastener</u>	<u>Deck Type</u>	<u>Static Withdrawal Resistance (lbf)</u>	
Trufast VERSA-FAST Fastener	Min. 348 psi cellular Lightweight concrete	3 day cure 108.0	28 day cure 86.0
	Poured gypsum	71.5	
Trufast FM-75	Poured gypsum	30.0	
Trufast FM-90	Min. 200 psi cellular Lightweight concrete	3 day cure 32.1	28 day cure 53.5
	Min. 200 psi aggregate lightweight concrete	3 day cure 39.9	28 day cure 77.3
Trufast Twin Loc-Nail	Poured gypsum	131.4	
Trufast Twin Loc-Nail	Cementitious wood fiber	176.2	



Withdrawal Resistance Performance - TAS 117(A) - Pulsating Load			
<u>Fastener</u>	<u>Deck Type</u>	<u>min. Penetration / Embedment</u>	<u>Pulsating Load (lbf)</u>
Trufast #12 DP Fastener, Trufast #12 DPH Fastener	Min. 19/32" plywood	3/4"	220.0
	Min. 22 ga., 50ksi steel	3/4"	127.0
Trufast #14 HD Fastener	Min. 19/32" plywood	3/4"	165.0
	Min. 22 ga., 50ksi steel	3/4"	156.0
	2,500 – 3,000 psi concrete	1"	263.0
Trufast #14 HD Stainless Steel Bi-Metal Fastener	Min. 19/32" plywood	3/4"	208.5
	Min. 22 ga., 50ksi steel	3/4"	174.5
Trufast #14 Stainless Steel HD Fastener	Min. 22 ga., 50ksi steel	3/4"	150.0
	2,500 – 3,000 psi concrete	1"	271.0
Trufast #15 EHD Fastener	Min. 19/32" plywood	3/4"	252.0
	Min. 22 ga., 50ksi steel	3/4"	239.0
	2,500 – 3,000 psi concrete	1"	325.0
Trufast #21 SHD Fastener	Min. 22 ga., 50ksi steel	3/4"	370.0
Trufast #12 Purlin Fastener	Structural Steel (1/8")	1"	969.0
	Structural Steel (1/4")	1"	1750.0
Trufast SIP TP Fastener	Min. 19/32" plywood	3/4"	153.0
Trufast SIP LD Fastener	Min. 19/32" plywood	3/4"	162.0
	Min. 22 ga., 50ksi steel	3/4"	147.0
	2,500 – 3,000 psi concrete	1"	404.0
Trufast SIP HD Fastener	Structural Steel (1/8")	1"	1020.0
	Structural Steel (1/4")	1"	2660.0
Trufast TL Fastener	Cementitious Wood Fiber	1.5"	192.0
	Poured Gypsum	2"	160.0

Withdrawal Resistance Performance - TAS 117(A) - Pulsating Load		
<u>Fastener</u>	<u>Deck Type</u>	<u>Pulsating Load (lbf)</u>
Trufast VERSA-FAST Fastener	Min. 348 psi cellular Lightweight concrete	28 day cure – 88.5
	Poured gypsum	28 day cure – 74.0
Trufast FM-75	Poured gypsum	25.8
Trufast FM-90	Min. 200 psi cellular lightweight concrete	28 day cure – 42.9
	Min. 200 psi aggregate lightweight concrete	28 day cure – 66.3
Trufast Twin Loc-Nail	Poured gypsum	98.0
Trufast Twin Loc-Nail	Cementitious wood fiber	105.0

Base Sheet Rupture Performance - TAS 117(B) Trufast 3" Metal Insulation Plate & Trufast 3" Recessed Metal Insulation Plate		
<u>Manufacturer</u>	<u>Base Sheet</u>	<u>Typical Results (lbf)</u>
Generic	ASTM D 226, Type II	112.0
CertainTeed	Glasbase Base Sheet	77.5
	Flexiglas Base Sheet	126.5
	All Weather/ Empire Base Sheet	107.5
	Flintlastic 20 Base	151.5
	Flintlastic Poly SMS Base	186.0
	Yosemite Venting Base Sheet	124.0
	Flintlastic SA Nailbase	139.0
Firestone	MB Base M	101.0
	Venting Base	113.5
	SBS Base	135.0
GAF	GAFGlas #75 Base Sheet	92.0
	GAFGlas #80 Ultima Base Sheet	76.0
	GAFGlas Stratavent Eliminator (nailable)	77.5
	FlexPly 6	104.5
	Liberty MA Mechanically Attached Base	150.0
Garland	HPR Glasbase	102.0
	HPR Premium Glasbase	112.0
	HPR Tri-Base Plus	231.5
Johns Manville	PermaPly 28	92.5
	Ventsulation	129.0
	GlasPly Premier	108.0
	DynaBase	133.0
	JM APP Base	104.0
Derbigum	PRS Glass Base	114.0
	PRS Modified Base Sheet	115.0
	PRS Vented Base	101.0
	Derbibase	120.5
	Derbibase Ultra	116.0
Siplast	Parabase	125.5
	Parabase Plus	127.0
Soprema	Sopra-G	103.5
	Modified Sopra-G	108.0
	Soprabase	190.0
Tamko	Glass-Base	92.5
	Vapor-Chan	121.0
US Ply	USP Base	115.0
	USP NVB	101.0
	DuraFlex 30 SBS Base	100.0
	DuraFlex 60 SBS Base	165.0
	DuraFlex SBS Polybase	184.0



Base Sheet Rupture Performance - TAS 117(B) Trufast VERSA-FAST Metal Plate		
<u>Manufacturer</u>	<u>Base Sheet</u>	<u>Typical Results (lbf)</u>
GAF	GAFGLAS #75	73.5
Soprema	SOPRAFIX BASE 613 (Straight Pull)	164.5
	SOPRAFIX BASE 613 (Within 5" wide, torched-lap)	213.5
Tremco	POWERply Heavy Duty Base Sheet (Straight Pull)	233.5
	POWERply Heavy Duty Base Sheet (Within 5" wide, PEBA sealed lap)	287.0

Base Sheet Rupture Performance - TAS 117(B) Trufast 2" Barbed Metal Seam Plate		
<u>Manufacturer</u>	<u>Base Sheet</u>	<u>Typical Results (lbf)</u>
CertainTeed	Flintlastic Poly SMS Base Sheet	165.0
Johns Manville	DynaLastic 180 S	250.0
Soprema	Soprafix [S]	257.5

Base Sheet Rupture Performance - TAS 117(B) Trufast 2.4" Barbed Metal Seam Plate, Trufast 2.4" Barbed Metal Stress Plate (14 Barb), Trufast 2.4" Scoop Seam Plate, Trufast 2-3/4" Barbed Metal Seam Plate (EHD) & Trufast 2-3/4" Barbed Metal Seam Plate (SHD)		
<u>Manufacturer</u>	<u>Base Sheet</u>	<u>Typical Results (lbf)</u>
CertainTeed	Flintlastic Poly SMS Base Sheet	197.0
Johns Manville	DynaLastic 180 S	326.0
Soprema	Soprafix [S]	358.0

Base Sheet Rupture Performance - TAS 117(B) Trufast 3" TL Insulation Plate		
<u>Manufacturer</u>	<u>Base Sheet</u>	<u>Typical Results (lbf)</u>
GAF	GAFGLAS #80 Ultima Base Sheet	106.0
Firestone	Venting Base	209.0
Garland	HPR Tri-Base Plus	248.0

Base Sheet Rupture Performance - TAS 117(B) Trufast 2" TL Seam Plate		
<u>Manufacturer</u>	<u>Base Sheet</u>	<u>Typical Results (lbf)</u>
Duro-Last	Duro-Last	126.5



Base Sheet Rupture Performance, TAS 117(B): 2.7" Head Twin Loc-Nail					
Manuf.	Base Sheet	Rupture Value (lbs.)	Manuf.	Base Sheet	Rupture Value (lbs.)
Honeywell	Black Armor base Sheet	109.0	Johns Manville	Dynabase	151.0
Bitec	Beta Base	120.0		Vestulation	114.0
CertainTeed	Glasbase	90.0		Perma Ply-28	138.0
	Flex-I-Glas Base	120.0	Siplast	Parabase	109.0
	Flex-I-Glas All Weather Empire Base	125.0		Parabase Plus	140.0
Firestone	MB Base	128.0	Soprema	Sopra-G	123.0
GAF	GAFLAS Stratavent	119.0		Modified Sopra-G	103.0
	GAFLAS Stratavent perforated	97.0	Tamko	Glass-Base	117.0
	GAFLAS #75	117.0		Vapor-Chan	158.0
WP Hickman	Multiply glass	133.0		Base-N-Ply	103.0
	Multiply glass CL	191.0		N/A	N/A

Base Sheet Rupture Performance, TAS 117(B): 2.7" FM-30 Plate (FM-75 or FM-90)					
Manuf.	Base Sheet	Rupture Value (lbf)	Manuf.	Base Sheet	Rupture Value (lbf)
Honeywell	Glass Fiber Base Sheet	84.0	Johns Manville	Glasbase	103.0
	Vented Base Sheet	85.0		Dynabase	104.0
Celotex	Channel Vent GB	95.0		Ventsulation	109.0
	Vaporbar GB	92.0	Siplast	Parabase	101.0
	Hydrostop	102.0		Parabase Plus	100.0
Firestone	MB Base	88.0	Soprema	Sopra-G	103.0
GAF	GAFLAS #75	103.0		Elastophene 180	107.0
	Stratavent	89.0		Sopralene 180	115.0
CertainTeed	Flex-I-Glas Base	106.0	Tamko	Nail Fast	99.0
	PolySMS	111.0		Versa Base	106.0
Koppers	Glass Fiber Base	108.0	Tremco	BURmastic Glass Ply	114.0
	Organic Base	94.0		BURmastic Composite Ply	114.0
Malarkey	#501	110.0	U.S. Intec	Ultra Base	95.0.0
	#602	107.0		Flex Base	111.0
	#603	114.0		Modified Base	111.0
	#605	109.0		Permavent	117.0
Nord	NBS G-2 Base	102.0	W.P Hickman	Multi Ply	112.0
	Nordstar Base	110.0		Performance Ply	113.0
	N/A	N/A		Pika Ply SS-2	116.0

Notes:

1. The physical properties listed above are presented at typical average values as determined by accepted ASTM test methods and Miami-Dade Protocols and are subject to normal manufacturing variation.
2. A 2 to 1 margin of safety has been applied to test results providing the above noted design values.



NOA No.: 22-1214.02
 Expiration Date: 04/17/24
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APPROVED APPLICATIONS:

Tradename:	Trufast #12 DP Fastener & Trufast #12 DPH Fastener
Compatible Plate(s):	Trufast 3" Metal Insulation Plates and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.
Generic Insulation Types:	Polyisocyanurate, Fiber Glass, Perlite, Rockwool, High Density Wood Fiber, Polystyrene, Urethane/Perlite Composite, Gypsum Cover Boards.
Application:	Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	18-22 ga. steel, wood, min. $1\frac{9}{32}$ " plywood or wood plank.
Tradename:	Trufast #14 HD Fastener, Trufast #14 HD Stainless Steel Bi-Metal Fastener & Trufast #15 EHD Fastener
Compatible Plate(s):	Trufast 3" Metal Insulation Plates and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.
Generic Insulation Types:	Polyisocyanurate, Fiber Glass, Perlite, Rockwool, High Density Wood Fiber, Polystyrene, Urethane/Perlite Composite, Gypsum Cover Boards.
Application:	Mechanical attachment of roof insulation and/or roof cover. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	18-22 ga. steel, wood, min. $1\frac{9}{32}$ " plywood or wood plank and min. 2,500 psi concrete.
Tradename:	Trufast #14 HD Fastener & Trufast #15 EHD Fastener
Compatible Plate(s):	Trufast PVC IW Plates, Trufast TPO IW Plates, and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.
Generic Insulation Types:	Polyisocyanurate.
Application:	Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	18-22 ga. steel, and min. 2,500 psi concrete.



Tradename: Trufast DP Pre-Assembled Insulation Plate

Compatible Plate(s): Trufast 3" Metal Insulation Plates, and Trufast #12 DP Fasteners pre-assembled, and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.

Generic Insulation Types: Polyisocyanurate, Fiber Glass, Perlite, Rockwool, High Density Wood Fiber, Polystyrene, Urethane/Perlite Composite, Gypsum Cover Boards.

Application: Mechanical attachment of roof insulation and/or roof cover. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.

Deck: 18-22 ga. steel, wood, min. $\frac{19}{32}$ " plywood or wood plank and min 2,500 psi concrete.

Tradename: Trufast #14 Stainless Steel HD Fastener

Compatible Plate(s): Trufast 3" Metal Insulation Plates and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.

Generic Insulation Types: Polyisocyanurate, Fiber Glass, Perlite, Rockwool, High Density Wood Fiber, Polystyrene, Urethane/Perlite Composite, Gypsum Cover Boards.

Application: Mechanical attachment of roof insulation and/or roof cover. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.

Deck: 18-22 ga. steel, wood, min. $\frac{19}{32}$ " plywood, wood plank or min. 2,500 psi concrete.

Tradename: Trufast TL Fastener

Compatible Plate(s): Trufast 3" TL Insulation Plate and Trufast 2" TL Seam Plate

Generic Insulation Types: Polyisocyanurate, Perlite, Fiberglass, Gypsum Board, High Density Wood Fiber, Composite, Gypsum Cover Boards.

Application: Mechanical attachment of roof insulation and/or roof cover. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.

Deck: Tectum, gypsum.



Tradename:	Trufast #12 Purlin Fastener
Compatible Plate(s):	Proprietary seam and insulation fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.
Generic Insulation Types:	Polyisocyanurate, Fiber Glass, Perlite, Rockwool, High Density Wood Fiber, Polystyrene, Urethane/Perlite Composite, Gypsum Cover Boards.
Application:	Mechanical attachment of roof insulation and/or roof cover. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	Min. 1/8" structural steel.
Tradename:	Trufast #12 Purlin Fastener
Compatible Plate(s):	Trufast PVC IW Plates, Trufast TPO IW Plates, and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.
Generic Insulation Types:	Polyisocyanurate.
Application:	Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	Min. 16 ga. steel.
Tradename:	Trufast SIP TP Fastener
Compatible Plate(s):	Proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.
Generic Insulation Types:	OSB or Plywood coverboards or laminated to XPS, EPS or ISO insulation boards.
Application:	Mechanical attachment of roof insulation and/or roof cover. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	Min. 19/32" plywood or wood plank.



Tradename: Trufast SIP LD Fastener

Compatible Plate(s): Proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.

Generic Insulation Types: OSB or Plywood coverboards or laminated to XPS, EPS or ISO insulation boards.

Application: Mechanical attachment of roof insulation and/or roof cover. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.

Deck: 18-22 ga. steel, min. $\frac{19}{32}$ " plywood or wood plank and min. 2,500 psi concrete.

Tradename: Trufast SIP HD Fastener

Compatible Plate(s): Proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.

Generic Insulation Types: OSB or Plywood coverboards or laminated to XPS, EPS or ISO insulation boards.

Application: Mechanical attachment of roof insulation and/or roof cover. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.

Deck: Min. $\frac{1}{8}$ " structural steel.

Trade Name: Trufast VERSA-FAST Fastener

Deck: New or sound existing Lightweight Concrete and Poured Gypsum.

Compatible Plate(s): Trufast VERSA-FAST Metal Plate

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

Trade Name: Trufast FM-75 Base Sheet Fastener

Deck: Approved NVS lightweight concrete, various poured gypsums, existing gypsum. See lightweight concrete deck Notice of Acceptance for Approved deck systems.

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



Trade Name: Trufast FM-90 Base Sheet Fastener

Deck: Approved minimum 200-psi aggregate or cellular lightweight concrete. See lightweight concrete deck Notice of Acceptance for Approved deck systems.

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

Trade Name: Trufast Twin Loc-Nail Assembled Fastener

Deck: New or sound existing Cementitious Wood Fiber, Poured Gypsum, Lightweight Concrete.

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

GENERAL LIMITATIONS:

1. Refer to Roof Assembly Notice of Acceptance for use, density and attachment patterns.
2. Fasteners shall be installed in accordance with manufacturer's published installation instructions.
3. Care shall be taken not to puncture or tear the base sheet or insulation facer during fastener installation. Application recommendations are noted in Roofing Application Standard TAS 117.
4. Altenloh, Brinck & Co. U.S., Inc., fasteners are a component part of Miami-Dade Approved Roof Assembly. These products are approved for use only with those roof assemblies approved for use with the components listed herein.
5. Any modifications to this Notice of Acceptance shall void such approval.
6. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.
7. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



END OF THIS ACCEPTANCE



NOA No.: 22-1214.02
Expiration Date: 04/17/24
Approval Date: 03/23/23
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