



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
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Ace Screws, LLC
5130 W. Hurley Pond Road
Wall Township, NJ 07727

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: ACE Screws 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 revises NOA# 23-0525.02 and consists of pages 1 through 7.
The submitted documentation was reviewed by Alex Tigera.

07/10/25



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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>
ACE #12 Fastener <i>Manufacturing Location #1, #2</i>	#12 x 1- ⁵ / ₈ " min. - 12" max. length	TAS 114 TAS 117	Carbon steel screw with #3 phillips drive, for use in steel or wood decks. Black e-coat.
ACE #14 Fastener <i>Manufacturing Location #1, #2</i>	#14 x 1- ¹ / ₄ " min. - 15" max. length	TAS 114 TAS 117	Carbon steel screw with #3 phillips drive, for use in steel, wood or concrete decks. Black e-coat.
ACE #15 Fastener <i>Manufacturing Location #1, #2</i>	#15 x 1- ¹ / ₄ " min. - 24" max. length	TAS 114 TAS 117	Carbon steel screw with #3 phillips drive, for use in steel, wood or concrete decks. Black e-coat.

PLATES: *Manufactured at Location #1*

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
2" Seam Plate	2" round with reinforcing ribs.	TAS 114 TAS 117	Aluminum, zinc, and magnesium stress plate for use with Ace Screws fasteners.
3" WW Insulation Plate	3" round with reinforcing ribs.	TAS 114 TAS 117	Aluminum, zinc, and magnesium stress plate for use with Ace Screws fasteners.
3" BE Insulation Plate	3" round with reinforcing ribs.	TAS 114 TAS 117	Aluminum, zinc, and magnesium stress plate for use with Ace Screws fasteners.
2-3/8" Barbed Seam Plate	2-3/8" round with reinforcing ribs and barbs.	TAS 114 TAS 117	Aluminum, zinc, and magnesium stress plate for use with Ace Screws fasteners.

MANUFACTURING LOCATIONS:

1. Yangjiang City, Guangdong, China.
2. El Marqués, Querétaro, México.



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EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research Corporation	Corrosion Resistance	PR462218	10/6/22
	Corrosion Resistance	PR466456	10/6/22
NEMO ETC, LLC.	TAS 117 (A) & (B)	4u-ACES-23-SSMFP-01.A	05/24/23
	TAS 117 (A) & (B)	4u-ACES-SSMFP-001.A	01/28/25

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>
ACE #12 Fastener	Min. 19/32" plywood	1"	298.0
	Min. 22 ga., 40ksi steel	1"	231.0
	Min. 22 ga., 80ksi steel	1"	242.0
ACE #14 Fastener	Min. 19/32" plywood	1"	265.0
	Min. 22 ga., 40ksi steel	1"	308.5
	Min. 22 ga., 80ksi steel	1"	379.5
	2,500 – 3,000 psi concrete	1-1/4"	407.0
ACE #15 Fastener	Min. 19/32" plywood	1"	343.0
	Min. 22 ga., 40ksi steel	1"	350.0
	Min. 22 ga., 80ksi steel	1"	362.0
	2,500 – 3,000 psi concrete	1-1/4"	700.0

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>
ACE #12 Fastener	Min. 19/32" plywood	1"	235.0
	Min. 22 ga., 40ksi steel	1"	200.0
	Min. 22 ga., 80ksi steel	1"	196.0
ACE #14 Fastener	Min. 19/32" plywood	1"	238.5
	Min. 22 ga., 40ksi steel	1"	248.0
	Min. 22 ga., 80ksi steel	1"	272.5
	2,500 – 3,000 psi concrete	1-1/4"	184.5
ACE #15 Fastener	Min. 19/32" plywood	1"	334.0
	Min. 22 ga., 40ksi steel	1"	298.0
	Min. 22 ga., 80ksi steel	1"	286.0
	2,500 – 3,000 psi concrete	1-1/4"	600.0

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.



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Base Sheet Rupture Performance - TAS 117(B) 3" BE Insulation Plate		
<u>Manufacturer</u>	<u>Base Sheet</u>	<u>Typical Results (lbf)</u>
GAF	GAFGLAS #75 Base Sheet	104.0
BITEC, Inc.	PS-2H	206.0
	FS-2H	130.0
	Elasto GL 2 P/S	169.0
	Elasto GL 2 NB	160.5
Johns Manville	PermaPly® 28	107.0
Holcim Solutions and Products US, LLC.	Elevate MB Base	78.0
	Elevate Channel Venting Base	119.0
	Elevate SBS Base	119.0
Polyglass U.S.A., Inc.	Polyglass® G2 Base	103.0
	Polyglass® Elastobase® V (sand/sand)	103.0
	Polyglass® Elastobase® V (sand/poly)	152.0
SOPREMA, Inc.	MODIFIED SOPRA G	99.0
	SOPRA 4897	125.0
	SOPRAFX Base 612	260.0
	SOPRAFX Base 614	217.0
	SOPRAFX Base 622	240.0
Tremco CPG Inc.	BURmastic® Glass Ply	115.0
	BURmastic® Composite Ply	224.0
	POWERply® Heavy Duty Base Sheet	222.0
CertainTeed LLC	Glasbase™ Base Sheet	97.0
	All Weather / Empire Base Sheet	108.5
U.S. Ply, Inc.	USP Base	76.0
	DuraFlex PolyBase	237.5
	RapidGRIP Readi-Base SA Base Sheet	120.0

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.



APPROVED APPLICATIONS:

Tradename:	ACE #12 Fastener
CompatiblePlate(s):	2" Seam Plates, 3" WW Insulation Plates, 3" BE Insulation Plates, 2-3/8" Barbed Seam 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:	22 ga. steel, wood, min. ¹⁹ / ₃₂ " plywood or wood plank.
Tradename:	ACE #14 Fastener
CompatiblePlate(s):	2" Seam Plates, 3" WW Insulation Plates, 3" BE Insulation Plates, 2-3/8" Barbed Seam 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:	22 ga. steel.
Tradename:	ACE #15 Fastener
Compatible Plate(s):	2" Seam Plates, 3" WW Insulation Plates, 3" BE Insulation Plates, 2-3/8" Barbed Seam 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:	22 ga. steel, wood, min. 19/32" plywood or wood plank and min. 2,500 psi concrete.

GENERAL LIMITATIONS:

1. ACE Screws 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. Only those specific fasteners listed in this approval shall be utilized in Approved Roof Assemblies Notice of Acceptance.
3. Fasteners shall be installed in accordance with manufacturer's published installation instructions, and in compliance with the requirements set forth in Roofing Applications Standard RAS 111, 117 & 137.
4. 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 RAS 117.
5. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific assembly. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Applications Standard RAS 117 or RAS 137.
6. Any modifications to this Notice of Acceptance shall void such approval.
7. 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.
8. 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



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