



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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www.miamidade.gov/economy

Tropical Roofing Products Florida, LLC
1818 SW 31 Ave.
Hallandale, FL 33009

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: Eterna-Sil Series Silicone Roofing Cements, Adhesives, and Coatings

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 18-0123.01 consists of pages 1 through 9.

The submitted documentation was reviewed by *Freddy Semino*



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ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Cement-Adhesive-Coatings
Materials: Silicone

SCOPE:

This approves the roof maintenance and restoration coating system using **Eterna-Sil Series Silicone Roofing Cements, Adhesives, and Coatings** to be used on existing roof assemblies as manufactured Tropical Roofing Products, as described in this Notice of Acceptance, designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Construction Materials Materials Technologies LLC	TRS-145-02-01	ASTM D 6694	03/09/18
	TRA-162-02-01	ASTM D 2697 / ASTM D 1644 / ASTM D 2370 / ASTM D 624	04/24/18
	TRA-163-02-01	ASTM D 2697 / ASTM D 1644 / ASTM D 2370 / ASTM D 624	04/24/18
	TRA-164-02-01	ASTM D 6694	03/06/18
	TRA-177-02-01	ASTM D 1475 / ASTM D 2196 / ASTM D 1744 / ASTM E 96	03/01/18
	TRA-178-02-01	ASTM D 2196 / ASTM D 1475 / ASTM D 1644 / ASTM D 4017 / ASTM D 3960	03/01/18
	TRA-194-02-01	ASTM D 562 / ASTM D 1644 / ASTM D 4017 / ASTM D 3960	07/02/18
	TRA-195-02-01	ASTM D 562 / ASTM D 1644 / ASTM D 4017 / ASTM D 3960	07/14/18
	TRA-227-02-01	ASTM D 6694	01/15/19
	TRA-248-02-01	ASTM D 6083	08/02/19
	TRA-249-02-01	ASTM D 1172 / ASTM D 1475 / ASTM D 2196	05/08/19



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TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Tropical Roofing Products #923 Eterna-Sil Premium Silicone Roof Coating silicone coating. <i>Manufacturing Location #1</i>	1, 5, and 55 gallons.	ASTM D6694	#923 Eterna-Sil Premium Silicone Roof Coating is a solvent based, single-component, silicone moisture cured roof coating.
Tropical Roofing Products #924 Eterna-Sil Premium Silicone Roof Coating <i>Manufacturing Location #1</i>	1, 5, 55, and 275 gallons.	ASTM D6694	#924 Eterna-Sil Premium Silicone Roof Coating is a solvent-free, high solids, single-component, silicone moisture cured roof coating.
Tropical Roofing Products #960 Eternalastic Acrylic Metal Primer <i>Manufacturing Location #1</i>	1 and 5 gallons.	Proprietary	#960 Eternalastic Metal Primer is a water-based primer designed for use on rusted metal surfaces.
Tropical Roofing Products #990 Eternalastic EPDM Primer. <i>Manufacturing Location #4</i>	1 and 5 gallons.	Proprietary	A rinseable low viscosity, sprayable liquid used as a pre-treatment of black EPDM rubber roof (Single-Ply) membrane prior to power washing and application of Eternalastic coating.
Tropical Roofing Products #995 2-Part Epoxy Primer <i>Manufacturing Location #3</i>	1 and 5 gallons. A & B	Proprietary	Two component, 1 to 1 ratio, water based multi-purpose, thixotropic, easy spreading epoxy primer.
Tropical Roofing Products #996 Eterna-Sil Premium Asphalt Bleed Blocker <i>Manufacturing Location #1</i>	5 and 55 gallons.	Proprietary	Eterna-Sil Premium Asphalt Bleed Blocker is an acrylic single component, water based primer.
Tropical Roofing Products #9300 Eterna-Sil Premium Silicone Wet Patch. <i>Manufacturing Location #1</i>	1 and 2 gallons.	Proprietary	A solvent-based, fibrated, single-component, silicone moisture cured roofing cement, mastic, and patch/repair product.
Tropical Roofing Products #9400 Eterna-Sil Premium Silicone Mastic <i>Manufacturing Location #1</i>	1 and 2 gallons.	Proprietary	A solvent-free, high solids, single-component, silicone moisture cured roofing cement, mastic, and seam sealer.
Tropical Roofing Products #9900 Eterna-Sil TPO Primer <i>Manufacturing Location #2</i>	1 and 5 gallons.	Proprietary	#9900 Eterna Sil TPO Primer is a green, very thin, water-like fluid, intended to be used over aged/existing TPO.

MANUFACTURING LOCATIONS:

1. Hallandale, FL
2. Waukegan, IL
3. Brookfield, WI
4. Collegeville, PA



PHYSICAL PROPERTIES OF COMPONENTS

Trade names: Tropical Roofing Products #924 Eterna-Sil Premium Silicone Roof Coating
Thickness: See scope of use below.
Specifications: ASTM D 6694
Description: A solvent-free, high solids, single-component, silicone moisture cured roof coating to be applied to the specified surfaces only as follows:

- **Asphalt Built-Up Roofing Granulated:** Prepare surface as per manufacturer's specification prior to application.

Option 1 – Apply #924 coating directly to the substrate at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).

Option 2 – Apply Tropical Roofing Products #996 Eterna-Sil Premium Bleed Blocker at a minimum rate of 1.0 gallon per 100 ft² or 7 mils Dry Film Thickness (DFT). Allow #996 to fully cure, then apply #924 at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).

- **SBS Modified Bitumen Granulated:** Prepare surface as per manufacturer's specification prior to application.

Option 1 – Apply #924 coating directly to the substrate at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT)

Option 2 – Apply Tropical Roofing Products #996 Eterna-Sil Premium Bleed Blocker at a minimum rate of 1.0 gallon per 100 ft² or 7 mils Dry Film Thickness (DFT). Allow #996 to fully cure, then apply #924 at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT)

- **SBS Modified Bitumen Smooth:** Prepare surface as per manufacturer's specification prior to application. Apply Tropical Roofing Products #996 Eterna-Sil Premium Bleed Blocker at a minimum rate of 1.0 gallon per 100 ft² or 7 mils Dry Film Thickness (DFT). Allow #996 to fully cure, then apply #924 at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).

- **APP Modified Bitumen Granulated:** Prepare surface as per manufacturer's specification prior to application. Apply Tropical Roofing Products #996 Eterna-Sil Premium Bleed Blocker at a minimum rate of 1.0 gallon per 100 ft² or 7 mils Dry Film Thickness (DFT). Allow #996 to fully cure, then apply #924 at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).

- **APP Modified Bitumen Smooth:** Prepare surface as per manufacturer's specification prior to application. Apply Tropical Roofing Products #995 Tropoxy Primer at a minimum rate of 0.25 gallons per 100 ft² or 3 mils Dry Film Thickness (DFT). Allow #995 to fully cure, then apply #924 at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).



- **Spray Polyurethane Foam:** Prepare surface as per manufacturer’s specification prior to application. Then apply #924 coating directly to the substrate at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
- **TPO Single Ply Membrane:** Prepare surface as per manufacturer’s specification prior to application.
 - Option 1 – Apply Tropical Roofing Products #9900 TPO Primer at a maximum rate of 0.125 gallons per 100 ft² or less than 1 mil Dry Film Thickness (DFT). Allow #9900 to fully cure, then apply #924 coating at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT)
 - Option 2 – Apply Tropical Roofing Products #995 Tropoxy Primer at a minimum rate of 0.25 gallons per 100 ft² or 3 mils Dry Film Thickness (DFT). Allow #995 to fully cure, then apply #924 at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
- **PVC Single Ply Membrane:** Prepare surface as per manufacturer’s specification prior to application.
 - Option 1 – Apply #924 coating directly to the substrate at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
 - Option 2 – Apply Tropical Roofing Products #995 Tropoxy Primer at a minimum rate of 0.25 gallons per 100 ft² or 3 mils Dry Film Thickness (DFT). Allow #995 to fully cure, then apply #924 at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
- **EPDM Single Ply Membrane:** Prepare surface as per manufacturer’s specification prior to application.
 - Option 1 – Apply #924 coating directly to the substrate at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
 - Option 2 – Apply #990 Eternalastic EPDM Primer. #990 must be pressure washed twice and completely removed from the substrate prior to coating application. Then apply #924 coating directly to the substrate at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
- **Hypalon Single Ply Membrane:** Prepare surface as per manufacturer’s specification prior to application. Apply Tropical Roofing Products #995 Tropoxy Primer at a minimum rate of 0.25 gallons per 100 ft² or 3 mils Dry Film Thickness (DFT). Allow #995 to fully cure, then apply #924 at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).



- **Galvanized Steel:** Prepare surface as per manufacturer's specification prior to application. Then apply #924 coating directly to the substrate at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
- **Concrete:** Prepare surface as per manufacturer's specification prior to application. Then apply #924 coating directly to the substrate at a minimum rate of 1.20 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).

Container Size: 1, 5, 55, and 275 gallons. Note all precautions on container.

Trade names:	Tropical Roofing Products #923 Eterna-Sil Silicone Roof Coating
Thickness:	See scope of use below.
Specifications:	ASTM D 6694
Description:	<p>A solvent based, single-component, silicone moisture cured roof coating to be applied to the specified surfaces only as follows:</p> <ul style="list-style-type: none"> • Asphalt Built-Up Roofing Granulated: Prepare surface as per manufacturer's specification prior to application. Apply Tropical Roofing Products #996 Eterna-Sil Premium Bleed Blocker at a minimum rate of 1.0 gallon per 100 ft² or 7 mils Dry Film Thickness (DFT). Allow #996 to fully cure, then apply #923 at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT). • Asphalt Built-Up Roofing Smooth: Prepare surface as per manufacturer's specification prior to application. Apply Tropical Roofing Products #996 Eterna-Sil Premium Bleed Blocker at a minimum rate of 1.0 gallon per 100 ft² or 7 mils Dry Film Thickness (DFT). Allow #996 to fully cure, then apply #923 at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT). • SBS Modified Bitumen Granulated: Prepare surface as per manufacturer's specification prior to application. Apply Tropical Roofing Products #996 Eterna-Sil Premium Bleed Blocker at a minimum rate of 1.0 gallon per 100 ft² or 7 mils Dry Film Thickness (DFT). Allow #996 to fully cure, then apply #923 at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT). • SBS Modified Bitumen Smooth: Prepare surface as per manufacturer's specification prior to application. Apply Tropical Roofing Products #996 Eterna-Sil Premium Bleed Blocker at a minimum rate of 1.0 gallon per 100 ft² or 7 mils Dry Film Thickness (DFT). Allow #996 to fully cure, then apply #923 at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT). • APP Modified Bitumen Granulated: Prepare surface as per manufacturer's specification prior to application. Apply Tropical Roofing Products #996 Eterna-Sil Premium Bleed Blocker at a minimum rate of 1.0 gallon per 100 ft² or 7 mils Dry Film Thickness (DFT). Allow #996 to fully cure, then apply #923 at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).



- **TPO Single Ply Membrane:** Prepare surface as per manufacturer's specification prior to application.

Option 1 – Apply Tropical Roofing Products #9900 TPO Primer at a maximum rate of 0.125 gallons per 100 ft² or less than 1 mil Dry Film Thickness (DFT). Allow #9900 to fully cure, then apply #923 coating at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT)

Option 2 – Apply Tropical Roofing Products #995 Tropoxy Primer at a minimum rate of 0.25 gallons per 100 ft² or 3 mils Dry Film Thickness (DFT). Allow #995 to fully cure, then apply #923 at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).

- **PVC Single Ply Membrane:** Prepare surface as per manufacturer's specification prior to application. Apply Tropical Roofing Products #995 Tropoxy Primer at a minimum rate of 0.25 gallons per 100 ft² or 3 mils Dry Film Thickness (DFT). Allow #995 to fully cure, then apply #923 at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
- **EPDM Single Ply Membrane:** Prepare surface as per manufacturer's specification prior to application with #990 Eternalastic EPDM Primer. #990 must be pressure washed twice and completely removed from the substrate prior to coating application. Then apply #923 coating directly to the substrate at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
- **Hypalon Single Ply Membrane:** Prepare surface as per manufacturer's specification prior to application. Apply Tropical Roofing Products #995 Tropoxy Primer at a minimum rate of 0.25 gallons per 100 ft² or 3 mils Dry Film Thickness (DFT). Allow #995 to fully cure, then apply #923 at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
- **Galvanized Steel:** Prepare surface as per manufacturer's specification prior to application. Then apply #923 coating directly to the substrate at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
- **Galvalume:** Prepare surface as per manufacturer's specification prior to application. Apply Tropical Roofing Products #960 Eternalastic Metal Primer at a rate of 1.0 gallon per 100 ft² or 5 mils Dry Film Thickness (DFT). Allow #960 to fully cure, then apply #923 at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).
- **Concrete:** Prepare surface as per manufacturer's specification prior to application. Then apply #923 coating directly to the substrate at a minimum rate of 1.60 gallons per 100 ft² or 18 mils Dry Film Thickness (DFT).

Container Size:

1, 5, and 55 gallons. Note all precautions on container.



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Trade names: Tropical Roofing Products #9400 Eterna-Sil Premium Silicone Mastic
Application Rate: This material is applied by trowel or brush at a coverage rate of 80-120 linear feet.
Specifications: ASTM D 2697 / ASTM D 1644 / ASTM D 2370 / ASTM D 624
Description: A solvent-free, high solids, single-component, silicone moisture cured roofing cement, mastic, and seam sealer.
Container Size: Tubes, 1, 2, and 5 gallons. Note all precautions on container.

Trade names: Tropical Roofing Products #9300 Eterna-Sil Fibrated Silicone Mastic
Application Rate: This material is applied by trowel or brush at a coverage rate of 80-120 linear feet.
Specifications: ASTM D 2697 / ASTM D 1644 / ASTM D 2370 / ASTM D 624
Description: A solvent-based, fibrated, single-component, silicone moisture cured roofing cement, mastic, and patch/repair product.
Container Size: 1, 2, and 5 gallons. Note all precautions on container.

BUILDING PERMIT REQUIREMENTS:

Application for building permit shall be accompanied by copies of the following:

1. This Notice of Acceptance.
2. Any other documents required by the Building Official or applicable Building Code in order to properly evaluate the installation of this system.



GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire rating of this product.
2. Tropical Roofing Products, Eterna-Sil Series Silicone Roofing Cements, Adhesives, and Coatings, shall not be applied in inclement weather conditions.
3. Tropical Roofing Products Eterna-Sil Series Silicone Roofing Cements, Adhesives, and Coatings, shall not be applied over asphaltic shingles, metal shingles, fiber-cement shingles, quarry slate, cement or clay roofing tile, or wood shingles or shakes.
4. The products listed herein are components of roof assemblies and are approved for use with roof assemblies that list any of the products listed herein as part of their Roof Assembly's Notice of Acceptance.
5. All approved products listed herein shall be labeled in compliance with TAS 121 and shall bear the imprint or identifiable marking of the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



6. Tropical Roofing Products, Eterna-Sil Series Silicone Roofing Cements, Adhesives, and Coatings, shall only be applied by a factory trained and certified applicators and in accordance with manufacturer's published application instructions.
7. All products listed herein shall have an unannounced follow-up quality control program from an approved listing agency. Follow up test results shall be made available to Miami-Dade Product Control upon request.
8. Change in materials use, or manufacture of any of the products listed herein shall be cause for termination of this Notice of Acceptance.
9. 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

END OF THIS ACCEPTANCE

