



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

NOTICE OF ACCEPTANCE (NOA)

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

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Tremco, Inc.
23150 Commerce Park Dr.
Beachwood, OH 44122

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: Vulkem® 350NF/345/346 Waterproofing System

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. 12-1005.04 and consists of pages 1 through 4.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 13-0530.04
Expiration Date: 11/14/17
Approval Date: 10/31/13
Page 1 of 4

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Waterproofing
Material Polyurethane
Deck Type: Concrete
Maximum Design Pressure: -790 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Vulkem® 350NF	Available in 5 and 55 gallons	ASTM C957 ASTM C836	One-part, low VOC self-leveling (SL) or roller-grade (R) polyurethane base coat waterproofing membrane. Do Not Apply (SL) to Vertical Surfaces.
Vulkem® 345	Available in 5 and 55 gallons	ASTM C957	Two part, sand filled, intermediate coat urethane waterproofing membrane
Vulkem® 346	Available in 2, 5 and 55 gallons	ASTM C957	One part top/intermediate coat Aliphatic Polyurethane waterproofing membrane coating to provide additional chemical and UV resistance to the coating system.

PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Aggregate	N/A	N/A	23-30 mesh silica sand or alumina oxide, which imparts the non-slip texture and contributes to wear resistance.	Generic

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Product Date</u>
Underwriters Laboratories, Inc.	TGFU.R10845	UL 790	06/04/12
PRI Asphalt Technologies, Inc.	TRE-025-02-05	ASTM C957	04/26/02
PRI Construction Materials Technologies LLC	TRE-041-02-01	TAS 114-D	04/24/12
	TRE-042-02-01	ASTM C836	02/04/11
	TRE-043-02-01	ASTM C836	02/04/11
	TRE-097-02-01	ASTM C957	02/19/13
Underwriters Laboratories	TGFU.R10845	UL790	10/18/11



APPROVED APPLICATIONS:

Deck Type 1	Concrete Decks, Roof Plaza Decks, Parking Decks
Deck Description:	Min. 2500 psi, structural concrete (roof plaza and parking decks)
System Types F(1):	Vulkem® 350NF/345/346
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants. Substrate shall be smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions.
Primer:	Optional based on manufacturer's recommendation.
Base Coat:	<p>Apply 25 mils of Vulkem 350NF to the entire area to be coated, including all detail coats, but excluding expansion joints. Use a V-notched squeegee, followed by back rolling to evenly distribute coating and eliminate pinholes. Vulkem 350NF can be applied with a roller or by airless spray equipment in accordance with manufacture's published literature. Base coat shall be allowed to cure overnight.</p> <p>Do Not Apply (SL) to Vertical Surfaces.</p>
Intermediate Coat:	First coat of Vulkem 345 is applied with a heavy duty roller ($\frac{3}{4}$ " to 1" nap) at a minimum thickness of 15 mils. Immediately following the application of the Vulkem 345, broadcast a 20 to 30 mesh silica sand* in to wet Vulkem 345 at a rate of 12.5 lbs. per gallon of Vulkem 345 and back roll to evenly distribute the aggregate. For a moderate textured finish, use 15 to 18 pounds of sand per gallon of Vulkem 345 (0.5kg/L). Back rolling is necessary regardless of how the sand is broadcast (i.e. hand, seed spreader, sand blast, etc.) to assure that all of the sand is completely encapsulated into the liquid. Repeat the application for a second coat of the Vulkem 345. Allow to cure overnight.
Top Coat:	Apply Vulkem 346 with a brush, roller or airless spray at a rate of 200 ft ² /gal. Apply this final coat to the entire coated area.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	N/A
Maximum Design Pressure:	-790 psf. (See General Limitation #9)

*The seeding of the aggregate shall be with an even, light broadcast short of or just to refusal. Any loose aggregate must be removed prior to recoating. Back roll aggregate where indicated.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Required integrity flood testing report shall be provided to the Building Official for review at time of final inspection.
3. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.
4. All work shall be performed by a Contractor licensed to do roofing/waterproofing and be a Manufacturer Trained 'Qualified Applicator' familiar with the details and approved by Tremco, Inc., and only with approved equipment. Tremco, Inc. shall supply a list of approved applicators to the authority having jurisdiction.
5. Flashings shall be installed according to the manufacturers published standard details, specific details, approved by Tremco, Inc., shall be submitted to the Building Official for review.
6. Tremco, Inc., Vulkem Systems shall not be installed without consultation with Tremco, Inc., if ambient or surface temperature is below 40°F. Do not apply to wet or frozen concrete surface.
7. Tremco, Inc., Vulkem Systems shall not be installed over lightweight insulating concrete.
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and the wind load requirements of applicable Building Code.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
10. All approved products listed herein shall be labeled 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



11. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9N-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE

