



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
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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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 PERA - 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. PERA 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-SL / 351NF, 350NF-R / 350NF-R and 350NF-SL / 350NF-SL
Waterproofing Systems**

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 consists of pages 1 through 6.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 11-0516.02
Expiration Date: 09/06/17
Approval Date: 09/06/12
Page 1 of 6

WATERPROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Waterproofing
Materials: Polyurethane
Maximum Design Pressure: -815 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-SL	5, 55 gallon drums	ASTM C957 ASTM C836	One-part, low VOC self-leveling polyurethane base coat waterproofing membrane. Do Not Apply to Vertical Surfaces.
Vulkem® 351NF	5, 55 gallon drums	ASTM C957	Two-part, low VOC Aliphatic polyurethane topcoat waterproofing membrane for providing chemical and UV resistance to coating system.
Vulkem® 350NF-R	Available in 5 and 55 gallon drums	ASTM C836	One-part, low VOC roller-grade polyurethane base coat waterproofing membrane.
Vulkem® #191	Various	Proprietary	A one part interlaminar primer for use when applying a fresh coat of Vulkem urethane after preceding coat has been exposed for 24 hours or longer and/or has lost its surface tack.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Aggregate	Pre-packaged bags	N/A	20-40 or 40-50 mesh silica sand or alumina oxide, which imparts the non-slip texture and contributes to wear resistance.
Increte Thin-Crete® Grout	Available in 50 lb. bag	Proprietary	Polymer modified thin-set grout for ceramic tile or pavers
Ceramic Tile	Min 12 in. x 12 in. x 1/2 in. thick	ANSI A137.1	Ceramic plaza deck walking tiles, 5% water absorption max.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Product Date</u>
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-044-02-01	ASTM C957	03/25/11
Underwriters Laboratories	TGFU.R10845	UL790	10/18/11



NOA No.: 11-0516.02
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 Page 2 of 6

APPROVED APPLICATIONS:

Deck Type 3	Concrete Decks, Roof Plaza Decks, Parking Decks,
Deck Description:	Min. 2500 psi, structural concrete
System Type F(1):	Vulkem 350NF-SL / 351NF
Substrate Preparation:	Surfaces must be clean, dry and sound. Remove dust, non-compatible curing compounds, form release agents and other surface contaminants. Substrate shall be free of voids, spalls, honeycombs, fins and protrusions. Concrete should be prepared by necessary means to achieve a CSP 2 – 3 per ICRI guidelines.
Primer:	Primer not required.
Base Coat:	Mix thoroughly and apply Vulkem 350NF-R or 350NF-SL at 40 wet mils to the entire area to be coated including detail coats but excluding expansion joints. Vulkem 350NF-R should be rolled or brushed and 350NF-SL can be applied using a V-notched squeegee or airless sprayer followed by back roll or roller alone. Do not apply 350NF-SL to vertical surfaces. Allow base coat to properly cure per manufacturer's application instructions before proceeding. Do Not Apply 350NF-SL to Vertical Surfaces.
Top-Coat	Mix material per manufacturers application instructions. Apply Vulkem 351 with brush, roller or airless sprayer at minimum 15 wet mils thickness. While wet, immediately broadcast 40-50 mesh silica sand* or aluminum oxide and back roll to evenly distribute aggregate and ensure it is fully encapsulated by the membrane. Care should be taken to ensure aggregate is oven dried and free of iron or other contaminants.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.
Surfacing:	N/A
Maximum Design Pressure:	-815 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.

Deck Type 3	Concrete Decks, Roof Plaza Decks, Parking Decks,
Deck Description:	Min. 2500 psi, structural concrete
System Types F(2)	Vulkem 350NF-R / 350NF-R
Substrate Preparation:	Surfaces must be clean, dry and sound. Remove dust, non-compatible curing compounds, form release agents and other surface contaminants. Substrate shall be free of voids, spalls, honeycombs, fins and protrusions. Concrete should be prepared by necessary means to achieve a CSP 2-3 per ICRI guidelines.
Primer:	Primer not required. If Vulkem 350NF-R has cured greater than 24 hours or the surface becomes contaminated, it should be cleaned then primed with Primer 191 prior to applying next coat.
Base Coat:	Mix thoroughly and apply Vulkem 350NF-R at 60 wet mils by roller or brush to the entire area to be coated including detail coats but excluding expansion joints. Vertical or sloped areas may require more than one coat. Allow base coat to properly cure per manufacturer's application instructions before proceeding.
Top Coat:	Mix material per manufacturers application instructions. Apply Vulkem 350NF-R with brush, roller or airless sprayer at minimum 10 wet mils thickness. While wet, immediately broadcast 20-40 mesh silica sand* into Vulkem 350NF-R at a rate of 12.5 lbs. per gallon of 350NF-R. Allow to cure per manufacturer's application instructions before proceeding.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.
Surfacing:	Ceramic plaza deck tiles (12" x 12" x 1/4") fully embedded into Increte Systems Thin-Crete Grout as directed by the manufacturer, applied to the top of Vulkem 350NF-R fully sanded coating with a 1/4" notched trowel.
Maximum Design Pressure:	-597.5 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.

Deck Type 3 Concrete Decks, Roof Plaza Decks, Parking Decks,

Deck Description: Min. 2500 psi, structural concrete

System Types F(3): 350NF-SL / 350NF-SL

Substrate Preparation: Surfaces must be clean, dry and sound. Remove dust, non-compatible curing compounds, form release agents and other surface contaminants. Substrate shall be free of voids, spalls, honeycombs, fins and protrusions. Concrete should be prepared by necessary means to achieve a CSP 2-3 per ICRI guidelines.

Primer: Primer is not required. If Vulkem 350NF-SL has cured greater than 24 hours or gets contaminated, it should be cleaned then primed with Primer 191 prior to applying next coat.

Base Coat: Mix thoroughly and apply Vulkem 350NF-SL at 60 wet mils by V-notched squeegee or airless sprayer followed by back roll or by roller or brush alone to the entire area to be coated including detail coats but excluding expansion joints. Sloped areas may require more than one coat. **Do not apply 350NF-SL to vertical surfaces.** Allow base coat to properly cure per manufacturer's application instructions before proceeding.

Top Coat: Mix material per manufacturers application instructions. Apply Vulkem 350NF-SL by V-notched squeegee or airless sprayer followed by back roll or by roller or brush alone at minimum 10 wet mils thickness. While wet, immediately broadcast 20-40 mesh silica sand* into Vulkem 350NF-SL at a rate of 12.5 lbs. per gallon of 350NF-SL. Allow to cure per manufacturer's application instructions before proceeding. **Do not apply 350NF-SL to vertical surfaces.**

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.

Surfacing: Ceramic plaza deck tiles (12" x 12" x 1/4") fully embedded into Increte Systems Thin-Crete Grout as directed by the manufacturer, applied to the top of Vulkem 350NF-R fully sanded coating with a 1/4" notched trowel.

Maximum Design Pressure: -620 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. A copy of the integrity test report described herein in accordance with ASTM D5957 shall be provided to the Building Official for review at time of final inspection.
3. Contractor shall submit to the Building Official for review the system specifications and details. Submission of these documents, as well as the proper application and installation of all materials shall be the sole responsibility of the contractor.
4. Flashings shall be installed according to the manufacturers published standard details, specific details, approved by Tremco, Inc. and shall be submitted to the Building Official for review.
5. All work shall be performed by a Contractor licensed to do roofing/waterproofing. Contractor shall be approved by Tremco.
6. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and the wind load requirements of applicable Building Code.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.
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). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. 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.
11. 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

