MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Tremco, Inc.
3735 Green Road
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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Vulkem 350/345/346

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 consists of pages 1 through 5.
The submitted documentation was reviewed by Frank Zuloaga, RRC

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Waterproofing

Materials: Polyurethane
Maximum Design Pressure 1224 psf
Fire Classification: N/A

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specification	Product Description
Vulkem® 350	Available in 5. and 55 gallons	ASTM C 836	One part,self-leveling polyurethane base coat urethane waterproofing membrane.
Vulkem® 345	Available in 5 and 55 gallons	ASTM C 836	Two part, sand filled, intermediate coat urethane waterproofing membrane
Vulkem® 346	Available in 2, 5 and 55 gallons	ASTM C 836	One part top coat Aliphatic Polyurethane waterproofing membrane coating to provide additional chemical and UV resistance to the coating system.
Vulkem® 450	Available in 5 and 55 gallons	ASTM C 836	Single component, thixotropic, moisture curing polyurethane waterproofing membrane.
Vulkem® 227 Sealant	N/A	N/A	Two part, polyurethane sealant for use in sealing cracks, expansion joints, control joints and for use in forming cants.
Vulkem® Primer #171	N/A	N/A	A one part, film forming primer to be used on porous surfaces to improve adhesion and reduce pinholes in the membrane. Also used in expansion joints subject to continuous immersion or subject to water intrusion from hydrostatic conditions.
Vulkem® #181	N/A	N/A	A one part, film forming 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.
Vulkem® #191	N/A	N/A	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.
Aggregate	N/A	N/A	23-30 mesh silica sand or alumina oxide, which imparts the non slip texture and contributes to wear resistance.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Specification	Product Date
DL Laboratories	DL-11165	ASTM C 957	08/20/96
Underwriters Laboratories, Inc.		UL Listing	y 09/15/98
PRI Asphalt Technologies, Inc.	TRE-025-02-05	ASTM C 957	06/14/02

APPROVED APPLICATIONS:

Deck Type 1	Concrete Decks, Roof Plaza Decks, Parking Decks, New Construction
Deck Description:	Min. 2500 psi, structural concrete (roof plaza and parking decks)
System Types F:	Vulken® 350/345/346
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 manufacturers recommendation.
Base Coat:	Apply 25 mils of Vulkem 350 to the entire area to be coated, including all detail coats, but excluding expansion joints. Use a V-notched squeegee, followed by backrolling to evenly distribute coating and eliminate pinholes. Vulkem 350 can be applied with a roller or by airless spray equipment in accordance with manufacture's published literature. Use Vulkem 450 for vertical or sloped areas. Base coat shall be allowed to cure overnight.
Intermediate Coat:	First coat of Vulkem 345 is applied with a heavy duty roller (¾" 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. 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. 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:	1224 psf

GENERAL LIMITATIONS:

1. Required integrity flood testing shall be provided to the Building Official for review at time of final inspection.

2. Vulken 350/345/346 System shall be installed solely by approved applicators familiar with the details and approved by Tremco, Inc., and only with approved equipment.

3. 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.

4. 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.

5. Tremco, Inc., Vulkem Systems shall not be installed over lightweight insulating concrete.

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.

END OF THIS ACCEPTANCE