



**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)**

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**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 450**

**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 4.  
The submitted documentation was reviewed by Frank Zuloaga, RRC



**NOA No.: 02-0930.05  
Expiration Date: 11/14/07  
Approval Date: 11/14/02  
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**ROOFING ASSEMBLY APPROVAL**

**Category:** Roofing  
**Sub-Category:** Waterproofing

**Materials:** Polyurethane  
**Maximum Design Pressure** N/A  
**Fire Classification:** N/A

**TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:**

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Vulkem® 450	Available in 5 or 55 Gallon Drums	ASTM C 836	Single component, thixotropic, moisture curing polyurethane waterproofing membrane.
Vulkem® Sealant	N/A	N/A	One or 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® #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.
TREMboard	40" x 200'	ASTM D 781 ASTM D 2738	Lightweight waterproofing membrane protection sheet. Offers protection during backfilling or application of a structural concrete.

**EVIDENCE SUBMITTED:**

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Product Date</u>
DL Laboratories	DL-6532	ASTM C 836	09/14/84
PRI Asphalt Technologies, Inc.	TRE-025-02-02	ASTM C 836	06/14/02



**APPROVED APPLICATIONS:**

- Deck Type 1** Concrete Decks, Roof Plaza Decks, Parking Decks, New Construction
- Deck Description:** Min. 2500 psi, dual slab construction (roof plaza and parking decks)
- System Types F:** Vulken® 450
- 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:** If Vulkem 450 has been exposed for 24 hours it should be cleaned, then primed with Vulkem 191 Primer.
- Base Coat:** Apply Vulkem 450, 60 mils thick 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 450 can be applied with a roller or by airless spray equipment in accordance with manufacture’s published literature. Vertical or sloped areas may require more than one coat. Allow to cure overnight.
- Integrity Test:** Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if desired.
- 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.
- Protection Board:** Cured membrane must be protected with Tremboard protection board or other Tremco approved protection board.
- Surfacing:** Structural Concrete Slab, minimum 2500 psi., in compliance with the applicable Building Code.
- Maximum Design Pressure:** N/A



**GENERAL LIMITATIONS:**

1. Required integrity flood testing shall be provided to the Building Official for review at time of final inspection.
2. Vulken 450 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**



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