

# Vulkem 350/351

## Base Coat/Top Coat

### Pedestrian Traffic Membrane

**Composition:** Vulkem 350 Base Coat is a high solids, cold, fluid applied, moisture curing polyurethane based waterproofing membrane. Vulkem 351 Top Coat is a single component, moisture curing, flexible, aliphatic polyurethane exterior finish coat.

**Basic Use:** Vulkem 350/351 is primarily designed to provide a waterproof coating for single course structural concrete slab construction. Some typical uses are:

- Interior & Exterior Pedestrian Walkways
- Pedestrian Roof Decks
- Canopies
- Balconies
- Mechanical Rooms

**Limitations:**

- Do not apply over lightweight insulating concrete.
- Do not use on decks with vehicular traffic
- Do not apply over sandwiched buried membrane decks.
- Do not apply over unvented steel pan concrete decks.
- Do not apply without adequate ventilation.

**Temperature Limitation:**

- Substrate temperature must be between 50°F and 110°F

**Grade:** Notched squeegee/roller

**Colour:** gray

**Packaging:** Vulkem 350/351 is available in 5 US gallon containers.

**Applicable Standards:**

UL 790 Class A Fire Rating  
CAN/ULC - S102.2 - M88 Class A Rating

**Installation:**

**Preparation:**

1. Concrete shall be water cured and in place for at least 28 days. Concrete finish shall be a light steel trowel, followed by a fine hair broom, or equivalent finish.

2. New or existing slabs must be dry, clean, sound and free of all contaminants which may interfere with adhesion and proper curing. Chemical and/or mechanical surface preparation may be required.

3. Non-moving cracks less than 1.6mm (1/16") - apply 30 mil base coat over crack extending 76mm (3") on either side of crack.

4. Non-moving cracks greater than 1.6mm (1/16") - route out to minimum 9.5mm (3/8") in width and 13mm (1/2") in depth. To a clean and dry joint install closed cell backer rod and apply Dymeric sealant ensuring a 2:1 width/depth ratio. Allow to cure overnight. Apply a 30 mil base coat over the crack extending 76mm (3") on either side of crack.

5. Metal surfaces - wire brush all metal surfaces to remove all coatings down to bare metal. Apply Tremco Primer #6 to the cleaned metal surface. 6. Horizontal/Vertical intersections - apply Dymeric to form a 25mm (1") cant along the base of intersections. Allow to cure. 7. Expansion Joints - do not carry the waterproofing over the expansion joint; terminate the waterproofing application at the edges of the expansion joint.

**Application:**

After all preparatory work is completed and detail work has properly cured, apply Vulkem 350 Base Coat at the rate of 35 sqft per gallon. The coating is applied by notched squeegee, followed by back rolling to evenly distribute the material. Once cured, apply Vulkem 351 Topcoat at the rate of 100 sqft per gallon.

For a non-slip finish 5-10 lbs of dry and free flowing silica can be immediately broadcast into the wet topcoat and backrolled to evenly distribute the aggregate.

**Precautions:**

Use the Vulkem 350/351 system with adequate ventilation and personal protection. Users must read and follow Material Safety Data Sheets for instructions and health and safety precautions prior to and during use. Provide adequate exhaust ventilation and supply fresh make-up air for confined space or interior applications. Prevent vapours and odours from entering occupied sections of buildings.

**Availability and Cost:**

Contact your local Tremco Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division in Toronto at 416/421-3300, in Montreal at 514/521-9555 or 800/263-6046. In the U.S. call 216/292-5000 or 800/852-6013.

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**Maintenance:**

Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

**Guarantee/Warranty:**

Tremco Ltd. Warrants its products to be free of defects and to meet published physical properties when tested according to ASTM and Tremco Standards. Under this warranty, any product proved to be defective when applied in accordance with Tremco's written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYERS SOLE AND EXCLUSIVE REMEDY.

All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE

**Technical Services:**

Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Centre, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service Staff.

Statement of Policy and Responsibility: Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation.

As neither Tremco itself or its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure or any components below the building structure on which its products may be applied. If any questions arise as to the soundness of a structure, its ability to support a planned installation properly, or whether material below the structure will be disturbed, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any failure of the structure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

<b>Physical Performance Characteristics</b>			
<b>Vulkem 350/351</b>			
<b>Property</b>	<b>Typical Value</b>		<b>Test Method</b>
	<b>350</b>	<b>351</b>	
Tensile strength	320psi	3000 psi	ASTM D 412
% Elongation	1040	140	ASTM D 412
Shore A Hardness	20	75	ASTM C661-83
Peel strength	100% Cohesive		ASTM C 794
Permeability (metric perms)	0.12	0.06	ASTM E 96
%NonVolatile	79	63	ASTM D 1352
Cure Time (max)	48hr	24 hr	ASTM D 1640
Flashpoint	44 C	27 C	Setflash



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