

TREMCO®

Vulkem® 350/351

Slip-Resistant-Pedestrian Waterproofing System

Product Description:

Vulkem 350/351 is an attractive composite waterproofing system comprised of tough-curing liquid polyurethane. It cures to form a rubber membrane surface that provides a lasting eye-appealing and easy-to-clean coating. Non-skid surfaces for pedestrian traffic features use of an aggregate-laden top membrane for surest footing. Vulkem 350/351 may be used to apply a seamless, monolithic waterproof membrane to smooth concrete, to well-anchored and primed wood and to primed metal surfaces. Simple, easy-to-follow procedures, use of conventional tools or optional spray permit fast, sure application.

Vulkem 350 is a one part urethane membrane that bonds firmly to clean, dry concrete, wood or metal. It retains its integrity even if substrate movement causes hairline cracks of up to 1/16" (1.6mm). If cut or damaged, Vulkem 350 will prevent water migration between it and its substrate. A Quick Cure Catalyst can be utilized for a fast track application.

Vulkem 351 is applied after the Vulkem 350 basecoat has cured and the non-slip aggregate has been broadcast. The finished top layer affords excellent abrasion resistance, and outstanding elongation and recovery to expand and contract with substrates. Interlaminar adhesion to Vulkem 350 is exceedingly strong.

Basic Uses:

Vulkem 350/351 is a cold applied deck coating system designed for waterproofing plaza decks, pedestrian walkways, balconies, plywood decks and under thinset tile.

Limitations:

- Do not apply over damp or contaminated surfaces.
- Use with adequate ventilation.

Standard Colors:

Vulkem 351 is available in Beige, Gray, Limestone, Maple, Slate Gray, Black, White, Green, Red and Clear.

Packaging:

Vulkem 350 basecoat - 5 gallon (19 L) pails, 55 gallon (208 L) drums.

Vulkem 351 topcoat - 2 gallon (7.6 L) pails, 5 gallon (19 L) pails, 55 gallon (208 L) drums.

INSTALLATION:

Concrete shall be water cured and in place for at least 14 days, preferably 28 days. Concrete finish shall be a light steel trowel followed by a fine hair broom, or equivalent finish. New or existing slabs must be dry, clean, sound and free of all contaminants which may interfere with adhesion or proper curing.

Chemical and/or mechanical surface preparation may be required. Vulkem 350 basecoat is normally applied at the rate of 40 square feet per gallon (.98 m²/L) yielding approximately 40 wet mils (1.03 mm) thickness. The coating is squeegee applied, followed by back rolling to evenly distribute the material.

Cure Vulkem 350 to firm rubber before topcoat application. The Vulkem 351 topcoat is applied with a medium nap roller at the rate of 100 square feet per gallon (2.5 m²/L) to yield approximately 15 wet mils (.38 mm) thickness. Silica sand is immediately broadcast into the wet topcoat and back rolled to evenly distribute the aggregate. For a moderate non-slip finish use 4-6 lbs. per gallon (.5 kg/L).

Refer to Vulkem 350/351 Application Instructions for specific application details. The techniques involved may require modification to adjust to the job site conditions. Consult your local Tremco Representative for specific design requirements.



Availability:

Immediately available from your local Tremco Field Representative, Tremco Distributor or Tremco Warehouse.

Warranty:

Tremco warrants its Vulkem Coatings to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Vulkem Coatings, Tremco's sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of Vulkem Coatings proved to be defective and Tremco shall not be liable for any loss or damage.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Vulkem 350 Base Coat	Vulkem 351 Top Coat
Tensile	ASTM D-412	320 psi (2.21MPa)	3000 psi (20.7MPa)
Elongation	ASTM D-412	1040%	140%
S ₁₀₀	ASTM D-412	60 psi (414 kPa)	2200 psi (15.2MPa)
Hardness	ASTM-C661-83	20	75
Shore A			
Peel Strength (on concrete)	ASTM C-794	30 lbs. (133N) 100% cohesive	100% cohesive to Vulkem 350
Permeability	E-96	0.12 metric perms	.06 metric perms
UL 790 CLASS A FIRE RATING CAN/ULC - S102.2 - M88 CLASS A RATING			
Wet Material Properties			
Non Volatile Content	ASTM D-1353	79% min.	63% min.
Viscosity, cps	Brookfield HBT	8 - 10,000	2 - 3,000
Cure Time @77°F (25°C) 50% R.H.	ASTM D-1640	48 hrs. max.	24 hrs. max.
Flash Point	Setaflash	112°F (44.4°C)	82°F (27.8°C)



For MSDS and Spec Data Sheets,
Call our 24 Hour Fax-Back Line:

1-800-551-2806

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