

Product Description

Vulkem® 350NF/Tremco Epoxy Primer (EP) is an under tile waterproofing system comprised of a tough-curing liquid polyurethane base coat and highly durable, low-modulus epoxy top coat. Vulkem 350NF/EP may be used to apply a seamless, monolithic waterproofing membrane system to concrete, well-anchored AC plywood, and primed metal surfaces.

Vulkem 350NF Base Coat is a single-component, low odor, low VOC, urethane membrane that bonds firmly to clean, dry concrete, plywood and metal. It retains its integrity even if substrate movement causes hair-line cracks of up to 1/16" (1.5 mm). If cut or damaged, Vulkem 350NF will prevent water migration between itself and the substrate. Vulkem 350NF is available in roller (R) and in self-leveling (SL) grade for vertical and horizontal application.

Tremco Epoxy Primer is a two component (1:1), 100% solids material used as an aggregate laden top coat and protective barrier within the Tremco under tile system.

Basic Uses

Vulkem 350NF/EP is ideal for tiles, pavers and bonded overburden.

Features and Benefits

- Fast cure through time allows for use 24 hr after installation.
- Low odor and low level of Volatile Organic Compounds (VOC) allow for use in neighbor friendly, inhabited structures.
- Excellent durability.
- Miami-Dade County Approved - NOA No: 15-0127.01

Availability

Immediately available from your local Tremco Sales Representative or Tremco Distributor.

Packaging

Vulkem 350NF: 5-gal (18.9-L) pails, 55-gal (208.2-L) drums

Tremco Epoxy Primer: 4-Gallon Kit

Tremco Epoxy Primer Part A: Two 1-gal cans

Tremco Epoxy Primer Part B Catalyst: Two 1-gal cans

Installation

Concrete shall be water-cured and attain a 2500 psi minimum compressive strength. Concrete finish shall be a light steel trowel followed by a fine-hair broom, or equivalent ICRI #2-#4 finish. Moisture content in the concrete must be lower than 4.5% as measured using a Tramex CME 4 Moisture Meter. Depending on concrete construction and job site location, additional concrete testing may be required. Please contact your local Tremco Sales or Technical Representative.

Please refer to the Vulkem 350NF/EP Application Instructions for complete application details. The techniques involved may require modification to adjust to the jobsite conditions. Consult your Tremco Sales Representative or Tremco Technical Services for site conditions and requirements.

Limitations

- Do not apply to damp or contaminated surfaces.
- Use with adequate ventilation.
- Long-term UV exposure prohibited.
- For all Hollow Core and Composite Steel Floor (Pan) Deck construction, contact your local Tremco Representative for review.

Warranty

Tremco warrants its Products 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 Tremco Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Tremco Products proven to be defective, and Tremco shall not be liable for any loss or damage.

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

Vulkem® 350NF/Tremco Epoxy Primer

Under Tile Waterproofing System

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	VULKEM 350NF
Flash Point	Set-A-Flash	>160 °F (71 °C)
% Solids (by Weight)	ASTM D1353	90 to 98%
Drying Time @ 75 °F, 50% RH	ASTM D1640	40 mil film, 6 to 8 hr
Open to foot traffic		4 to 6 hr
Weathering	ASTM D822	N/A
Salt Spray	ASTM B117	N/A
Viscosity	Brookfield C&P	4000 to 6000 cps
Elongation	ASTM D412	600 to 700%
Tensile Strength	ASTM D412	220 to 460 psi
Hardness (Shore A)	ASTM D2240	45 to 60
Adhesion (Peel Strength)	ASTM D903	Unprimed Concrete, 20 to 30 pli, 100% cohesive failure
Adhesion (Pull-Off)	ASTM D4541	200 to 400 psi
Accelerated Aging	ASTM D573	No loss of elongation or tensile strength

TYPICAL PHYSICAL PROPERTIES

PROPERTY	Tremco Epoxy Primer
Mix Ratio (A:B by Vol)	1:1
Mixed Viscosity	300 to 400 cps
Gel Time (100 gms)	30-40 min.
Pot Life (2 gal. (7.6L))	10-20 min. (Pot life falls with direct UV exposure. Minimize UV exposure).
Mixed Solids	100% by weight
Storage Temperature Range	50°F (10°C) minimum to 90°F (32.2°C) maximum

0618/350NF/EPDS-DC

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