



## TECHNICAL DATA SHEET

# VULKEM® 350NF/TREMCO EPOXY PRIMER

Under Tile Waterproofing System

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### PRODUCT DESCRIPTION

Vulkem® 350NF/Tremco Epoxy Primer (EP) is an under tile waterproofing system comprised of a tough-curing liquid polyurethane base coat and a 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.

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### BASIC USES

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

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### FEATURES & 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

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### AVAILABILITY

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

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### 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

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### INSTALLTION

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 Cure and Composite Steel Floor (Pan) Deck construction, contact your local Tremco Representative for review.
- Substrate must be at least 5 °F (3 °C) above the measured dew point temperatures to avoid dew point condition.

## WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit <https://www.tremcosealants.com/warranties/> for details.

## 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 D117	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

\*Accelerated aging test. 1 daily cycle of UV and water spray greatly exceeds 1 day of real world exposure. Contact Tremco Technical Service or your local sales representative for more information.

## TYPICAL PHYSICAL PROPERTIES

PROPERTY	VULKEM 350NF
Mix Ratio (A:B by Vol)	1:1
Mixed Viscosity	300 to 400 cps
Gel Time (100 grams)	30-40 min.
Pot Life (2 gal (7.6 L))	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

Please refer to our website at [www.tremcosealants.com](http://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.**

V350NFEP-DS/0922

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