



TECHNICAL DATA SHEET

VULKEM® 350NF/346TC

Pedestrian and Waterproofing System

PRODUCT DESCRIPTION


Vulkem® 350NF/346TC is a composite waterproofing system composed of tough-curing liquid polyurethane. It cures to form a rubber membrane surface that provides a lasting and easy-to-clean coating. Textured surfaces for pedestrian traffic will use an aggregate-laden top membrane to aid in wear and slip resistance. Vulkem 350NF/346TC may be used to apply a seamless monolithic waterproof membrane to concrete 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 and metal. It retains its integrity even if substrate movement causes hairline 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.

Vulkem 346TC Top Coat is an aliphatic, single-component, polyurethane, which, when used in conjunction with the recommended aggregate, creates a tough, aesthetically appealing, skid-resistant, wearing surface that forms a strong interlaminar bond to the Vulkem 350NF basecoat.

BASIC USES

Vulkem 350NF/346TC is ideal for plazas, recreation decks, balconies, mechanical rooms, stadiums, athletic surfaces, and similar applications requiring an elastomeric waterproofing system.

**SEALANT • WATERPROOFING
& RESTORATION INSTITUTE**

Issued to: Tremco Incorporated
Product: Vulkem 350 NF Basecoat & Vulkem 346 Topcoat

ASTM D 412: Tensile Strength of Top Coat
Vulkem 346 Topcoat
Tensile Strength: 3,236 psi;
Elongation: 191%
Pass ✓

ASTM D 4541: Adhesion of Base Coat
Vulkem 350 NF Basecoat
Pull-off Adhesion: 259 psi
Pass ✓

ASTM D 4060: Abrasion Resistance of Top Coat
Vulkem 350 NF Basecoat
Abrasion Resistance: 48 mgms loss
– mgms loss/1,000 cycles
Pass ✓

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FEATURES & BENEFITS

- Low VOC (<100 g/L)
- Fast cure through time allows for use 24 hr. after installation.
- Mildew- and fungus-resistance safeguards concrete surfaces against environmental contaminants.
- Excellent durability and UV resistance extend the useful life of pedestrian systems.
- Recoatable and compatible with other Tremco sealants, which enhances waterproofing protection with full system compatibility.

AVAILABILITY

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

PACKAGING

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

Vulkem 346TC: 5-gal (18.9-L) pails; 55-gal (208.2-L) drums

COLORS

- Vulkem 346TC is available in Gray, Limestone, Slate Gray, Charcoal, *Black, *White, *Beige, and *Maple. Made-to-order and special colors are also available upon request.

*Denotes special color.

FIRE-RELATED ASSEMBLIES

- ANSI/UL790 – Standard Test Methods for Fire Tests of Roof Coverings
- CAN/ULC-S107 – Methods of Fire Tests of Roof Coverings

LIMITATIONS

- Do not apply to damp or contaminated surfaces.
- Use with adequate ventilation.
- Substrate must be at least 5 °F (3 °C) above the measured dew point temperatures to avoid dew point conditions.

INSTALLATION

Refer to the instructions for your specific system/application for installation details. The techniques involved may require modification to adjust to job-site conditions. Consult your Tremco Representative about specific design requirements.

WARRANTY

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

Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.



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Construction Products Group

3735 Green Rd. | Beachwood, OH 44122
800.321.7906 | tremcocpg.com

TYPICAL PHYSICAL PROPERTIES			
PROPERTY	TEST METHOD	VULKEM 350NF	VULKEM 346TC
Flash Point	Set-A-Flash	>160 °F (71 °C)	85°F (29°C)
% Solids (by Weight)	ASTM D1353	90 to 98%	78-83%
Drying Time @ 75 °F, 50% RH	ASTM D1640	24-40 mil film, 12 hr	15 mil film, 6-8 hours
Weathering	ASTM D822	N/A	N/A
Salt Spray	ASTM B117	N/A	N/A
Viscosity	Brookfield C&P	4000 to 6000 cps	1500-3000 cps
Elongation	ASTM D412	600 to 700%	120%
Tensile Strength	ASTM D412	220 to 460 psi	3500 psi
Hardness (Shore A)	ASTM D2240	45 to 60	85 to 95
Adhesion (Peel Strength)	ASTM D903	Unprimed concrete 30 pli, 100% cohesive failure	100% cohesive failure
Adhesion (Pull-Off)	ASTM D4541	150 to 200 psi	N/A
Abrasion Resistance (1000 cycles)	ASTM D4060	N/A	50 mg
Accelerated Aging	ASTM D573	No loss of elongation or tensile strength	No loss of elongation or tensile strength
Tear Strength	ASTM D624		309 pli

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

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.

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