



# TECHNICAL DATA SHEET

## VULKEM® 360NF/351NF

Neighbor-Friendly Pedestrian and  
Waterproofing System

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### PRODUCT DESCRIPTION

Vulkem® 360NF/351NF is a composite waterproofing system comprised 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 360NF/351NF may be used to apply a seamless monolithic waterproof membrane to concrete, well-anchored AC plywood, and primed metal surfaces.

Vulkem 360NF Base Coat is a low odor, low VOC, water-cured, rapid setting 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 360NF will prevent water migration between itself and the substrate.

Vulkem 351NF Top Coat is an aliphatic, low VOC, two-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 360NF basecoat.

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### BASIC USES

Vulkem 360NF/351NF is ideal for plazas, recreation decks, balconies, mechanical rooms, stadiums, athletic surfaces, and similar applications requiring an elastomeric waterproofing system.

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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.
- 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 and expansion joints, which enhances waterproofing protection with full system compatibility.

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### AVAILABILITY

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

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### PACKAGING

Vulkem 360NF: 5 gal (18.9 L) in a 6-gal (22.7-L) pail

Vulkem 351NF: Part A 5-gal (18.9-L) pails, Part B 12-oz (.36-L) can

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### COLORS

Vulkem 351NF is available in Beige, Gray, Slate Gray, Limestone, \*Black, \*White, and \*Maple. Special colors are available upon request.

\*Denotes special color.

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### FIRE RATED ASSEMBLIES

ANSI/UL790 – Standard Test Methods for Fire Tests of Roof Coverings

CAN/ULC-S107 – Methods of Fire Tests of Roof Coverings.

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## INSTALLATION

Concrete shall be water-cured and attain a 3000 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 360NF/351NF 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.

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## 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.

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## 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 360NF	VULKEM 351NF
Flash Point	Set-A-Flash	185 °F (85 °C)	>200 °F (.93 °C)
% Solids (by Weight)	ASTM D1353	91%	95%
Drying Time @ 75 °F, 50% RH	ASTM D1640	25-40 mil film, 6 to 12 hr	15 mils, 8 to 16 hr
Open to foot traffic		N/A	24 hr after cure
Weathering	ASTM D822	N/A	No effect
Salt Spray	ASTM B117	N/A	No effect
Viscosity	Brookfield C&P	8000 to 10000 cps	2000 to 3000 cps
Elongation	ASTM D412	500%	130%
Tensile Strength	ASTM D412	275 psi	2600 psi
Hardness (Shore A)	ASTM D2240	40 to 50	90
Adhesion (Peel Strength)	ASTM D903	Unprimed concrete, 45 pli, 100% cohesive failure	100% cohesive failure
Adhesion (Peel-Off)	ASTM D4541	350 psi	350 psi
Abrasion Resistance (1000 cycles)	ASTM D4060	N/A	N/A
Accelerated Aging	ASTM D573	No loss of elongation or tensile strength	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.

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.

V360NF-351NF-DS/0323

Tremco Construction Products Group (CPG) brings together the Commercial Sealants & Waterproofing and Roofing & Building Maintenance divisions of Tremco CPG Inc.; Dryvit and Willseal brands; Nudura Inc.; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc.; Weatherproofing Technologies Canada, Inc.; and Pure Air Control Services, Inc.



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