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### PRODUCT DESCRIPTION

Vulkem® 350NF/351 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 350NF/351 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 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.

Vulkem 351 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.

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### BASIC USES

Vulkem 350NF/351 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.
- Mildew- and fungus-resistance safeguards concrete surfaces against environmental constraints.
- 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 350NF: 5-gal (18.9-L) pails; 55-gal (208.2-L) drums

Vulkem 351: 5-gal (18.9-L) pails; 55-gal (208.2-L) drums

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### COLORS

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

\*Denotes special color.

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### FIRE RELATED ASSEMBLIES

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

## 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 350NF/351 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.
- Substrate must be at least 5 °F (3 °C) above the measured dew point temperatures to avoid dew point conditions.

## 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	VULEM 350NF	VULKEM 351
Flash Point	Set-A-Flash	>160 °F (71 °C)	85 °F (29 °C)
% Solids (by Weight)	ASTM D1353	90 to 98%	72%
Drying Time @ 75 °F, 50% RH	ASTM D1640	24-40 mil film, 12 hr	15 mil film, 6 to 8 hr
Open to foot traffic		4 to 6 hr	24 hr after cure
Weathering	ASTM D822	N/A	No effect
Salt Spray	ASTM B117	N/A	No effect
Viscosity	Brookfield C&P	4000 to 6000 cps	2000 to 3000 cps
Elongation	ASTM D412	600 to 700%	120%
Tensile Strength	ASTM D412	220 to 460 psi	2800 psi
Hardness (Shore A)	ASTM D2240	45 to 60	85 to 95
Adhesion (Peel Strength)	ASTM D903	Unprimed concrete 20 to 30 pli, 100% cohesive failure	100% cohesive failure
Adhesion (Pull-Off)	ASTM D4541	150 to 200 psi	200 to 400 psi
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

\*Accelerated aging test. 1 daily cycle of UV and water spray gently 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.**

V350NF351-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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