



TECHNICAL DATA SHEET

VULKEM® 350NF/951NF

Low Odor/Fast Cure Pedestrian and
Waterproofing System

PRODUCT DESCRIPTION

Vulkem® 350NF/951NF 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/951NF may be used to apply a seamless monolithic waterproof membrane 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.

Vulkem 951NF 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 350NF basecoat.

BASIC USES

Vulkem 350NF/951NF is ideal for plazas, recreation decks, balconies, mechanical rooms, stadiums, athletic surfaces, and similar applications requiring an elastomeric waterproofing system.

FEATURES & BENEFITS

- Fast cure through time allows for use 12 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.

AVAILABILITY

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

PACKAGING

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

Vulkem 951NF: Total of 4.6-gal (17.4-L) kit—Part A 3.64-gal (13.8 L) in a 5-gal (18.9-L) pail, Part B 1 gal (3.8 L) in a 1-gal pail.

COLORS

Vulkem 951NF is available in Beige, Gray, Limestone, Black, Slate Gray, *White, *Maple, and *Charcoal. It is also available in Clear for use with color flake or quartz. Special colors are available upon request. *Denotes special color.

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/951NF 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 requirement.

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.

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	VULKEM 951NF
Flash Point	Set-A-Flash	>160 °F (71 °C)	>200 °F (93 °C)
% Solids (by Weight)	ASTM D1353	90 to 98%	80 to 85%
Drying Time @ 75 °F, 50% RH	ASTM D1640	25-40 mil film, 4-6 hr	12 mil film, 2 to 4 hr
Open to foot traffic		N/A	12 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	2500 cps
Elongation	ASTM D412	600 to 700%	145%
Tensile Strength	ASTM D412	220 to 460 psi	4500 psi
Hardness (Shore A)	ASTM D2240	45 to 60	50 shore D
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	33 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 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 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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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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