



TECHNICAL DATA SHEET

VULKEM® 350FC/950NF/951NF

Two-Component, Elastomeric, Waterproof
Traffic Deck Coating System

PRODUCT DESCRIPTION

Vulkem® 350FC/950NF/951NF is a two-component, polyurethane traffic deck coating system composed of a base coat (350FC), heavy duty intermediate coat (950 NF) and a top coat (951NF). This unique waterproofing system is designed to have tenacious adhesion, extreme impact and abrasion resistance along with remarkable chemical stability. The elastomeric properties of the system's components enable the complete assembly to give and work with the concrete slab, bridging the shrinkage cracks.

Vulkem 350FC Base Coat is a two-component, fast-curing, VOC-compliant, chemically-curing urethane membrane that bonds firmly to clean, dry, and prepped concrete and metal surfaces. It retains its integrity even if substrate movement causes hair-line cracks of up to 1/16" (1.5 mm). Vulkem 350FC will prevent water migration between itself and the substrate.

Vulkem 950NF Intermediate Coat is a two-component urethane that is applied after the Vulkem 350FC Base Coat has cured. The intermediate coat is loaded with aggregate to give the system excellent impact, abrasion and chemical resistance.

Vulkem 951NF Top Coat is an aliphatic, low-VOC, two-component polyurethane that is applied after the Vulkem 950NF intermediate coat has cured. Interlaminary adhesion to Vulkem 950NF is exceedingly strong. The top coat affords excellent abrasion resistance, UV stability and chemical resistance to complete this Vulkem Traffic Deck Coating System.

BASIC USES

Vulkem 350FC/950NF/951NF is a cold-applied traffic deck coating system designed for waterproofing concrete slabs and protecting occupied areas underneath from water damage. Additionally, the system will protect the concrete from the damaging effects of water, deicing salts, chemicals, gasoline, oils and anti-freeze.

FEATURES & BENEFITS

- Fast cure through time allows for use 24 hr after installation.
- Mildew and fungus resistance safeguard concrete surfaces against environmental contaminants.
- Excellent durability and UV resistance extends the useful life of vehicular systems.
- Recoatable and compatible with other Tremco sealants and expansion joints, which enhance waterproofing protection with full system compatibility.

AVAILABILITY

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

PACKAGING

Vulkem 350FC: Total of 4.6 gal kit – Part A: 3.85 gal (14.6 L) in a 5-gal (18.9 L) pail, Part B: 0.71 gal (2.7 L) in a 1-gal pail.

Vulkem 950NF: Total of 4.2 gal kit – Part A: 3.25 gal (12.3 L) in a 5-gal (18.9 L) pail, Part B: 0.95 gal (3.6 L) in a 1-gal pail.

Vulkem 951NF: Total of 4.6 gal kit – Part A: 3.75 gal (14.2 L) in a 5-gal (18.9 L) pail, Part B: 0.85 gal (3.2 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. Made-to-order and special colors also are available upon request.*Denotes special color.

LIMITATIONS

- All surfaces must be sound, clean, dry and free from contamination. A thorough wire brushing, grinding, sandblasting or solvent cleaning may be required to expose clean, sound, virgin surfaces.
- Only Vulkem Primer #171, Vulkem Primer 191, or TREMprime Non-Porous Primer are to be used with this product.
- Any questions regarding drying times, coverage rates and unique application techniques regarding the individual primers should be directed to Tremco Technical Services or your local Tremco Sales Representative.
- Do not apply over contaminated or damp surfaces.
- Product must be coated in 24 hours or less, otherwise cleaning and priming will be necessary.
- Do not thin.

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 350FC	VULKEM 950NF	VULKEM 951NF
% Solids (by weight)	ASTM D1353	85%	99%	80 to 85%
Drying time @ 75°F, 50% RH	ASTM D1640	25 mil film, 3 to 4 hr	12 mil film, 2 to 4 hr	12 mil film, 2 to 4 hr
Open to vehicular traffic		N/A	N/A	24 hr after cure
Weathering	ASTM D822	N/A	N/A	No effect
Salt Spray	ASTM B117	N/A	No effect	No effect
Viscosity	Brookfield C&P	2500 cps	2000 cps	2500 cps
Elongation	ASTM D412	>500%	100%	145%
Tensile Strength	ASTM D412	3500 psi	4200 psi	4500 psi
Hardness	ASTM D2240	>90 (Shore A)	75 (Shore D)	50 (Shore D)
Adhesion (Peel Strength)	ASTM D903	30 pil, substate failure	100% cohesive failure	100% cohesive failure
Adhesion (Pull-Off)	ASTM D4541	>500 psi	200 to 400 psi	N/A
Abrasion Resistance (1000 cycles)	ASTM D4060	N/A	70 mg	33 mg
Accelerated Aging*	ASTM D573	N/A	No loss of elongation or tensile strength	No loss of elongation or tensile strength
Tear Strength	ASTM D624	>250 pli	250 pli	480 pli

*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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