



TECHNICAL DATA SHEET

VULKEM® 350FC/951NF

Two-Component, Elastomeric, Waterproof
Pedestrian Traffic Coating System

PRODUCT DESCRIPTION

Vulkem® 350FC/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 350FC/951NF may be used to apply a seamless, monolithic waterproof membrane to concrete, well-anchored AC plywood, and metal surfaces.

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 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 350FC base coat.

BASIC USES

Vulkem 350FC/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 24 hr after installation.
- Mildew and fungus resistance safeguards concrete surfaces against environmental contaminants.
- Excellent durability extends the useful life of pedestrian 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 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 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, *Charcoal. It is also available in Clear for use with color flake or quartz. Special colors 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 951NF |
|-----------------------------------|----------------|---------------------------|---|
| % Solids (by weight) | ASTM D1353 | 85% | 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 |
| 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 | 2500 cP | 500 cps |
| Elongation | ASTM D412 | >500% | 145% |
| Tensile Strength | ASTM D412 | >3500 psi | 4500 psi |
| Hardness | ASTM D2240 | >90 (Shore A) | 50 (Shore D Adhesion- |
| in-Peel | ASTM C794 | >20 pli | N/A |
| Adhesion (Peel Strength) | ASTM D903 | 30 pli, substrate failure | 100% cohesive failure |
| Adhesion (Pull-Off) | ASTM D4541 | >500 psi | N/A |
| Abrasion Resistance (1000 cycles) | ASTM D4060 | N/A | 33 mg |
| Accelerated Aging* | ASTM D573 | N/A | No loss of elongation or tensile strength |
| Tear Strength | ASTM D624 | >250 pli | 480 pli |

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.

V350FC951NF/1123

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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