

PRODUCT DESCRIPTION

Vulkem® 360NF/950NF/951NF is a modified polyurethane traffic deck coating system composed of a base coat (360NF), heavy duty intermediate coat (950NF) 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 360NF Base Coat is a low odor, low VOC, water-cured, rapid setting 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 360NF will prevent water migration between itself and the substrate.

Vulkem 950NF Intermediate Coat is a low VOC, two-component urethane that is applied after the Vulkem 360NF 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 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 360NF/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.

| SEALANT · WATERPROOFING & RESTORATION INSTITUTE | |
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| Issued to: Tremco Incorporated | |
| Product: Vulkem 360 NF Basecoat & Vulkem 951 NF Topcoat | |
| ASTM D 412: Tensile Strength of Top Coat Vulkem 951 NF Topcoat Tensile Strength: 5,394 psi; Elongation: 294% Pass ✓ | |
| ASTM D 4541: Adhesion of Base Coat Vulkem 360 NF Basecoat Pull-off Adhesion: 363 psi Pass ✓ | |
| ASTM D 4060: Abrasion Resistance of Top Coat Vulkem 360 NF Basecoat Abrasion Resistance: 20 mgms loss – mgms loss/1,000 cycles Pass ✓ | |
| Validation Date: 04/27/22 – 04/26/27 | |
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| DECK COATING VALIDATION www.swrionline.org | |

| SEALANT · WATERPROOFING & RESTORATION INSTITUTE | |
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| Issued to: Tremco CPG Inc. | |
| Product: Vulkem® 350FC/Vulkem 951NF | |
| ASTM D 412: Tensile Strength of Top Coat Vulkem® 951NF Topcoat Tensile Strength: 4,392 psi; Elongation: 258% Pass ✓ | |
| ASTM D 4541: Adhesion of Base Coat Vulkem® 350FC SL Pull-off Adhesion: 472 psi Pass ✓ | |
| ASTM D 4060: Abrasion Resistance of Top Coat Vulkem® 951NF Abrasion Resistance: 12 mg loss – mg loss/1,000 cycles Pass ✓ | |
| Validation Date: 2/10/23 – 2/09/28 | |
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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) provides for use in neighbor friendly, inhabited structures.
- Mildew and fungus resistance safeguards 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.
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AVAILABILITY

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

PACKAGING

Vulkem 360NF: 5 gal (18.9 L) in a 5-gal (22.7-L) 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 (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, *Charcoal, and *Maple. It is also available in Clear. Made-to-order and special colors are also available upon request. *Denotes special color.

FIRE RATED ASSEMBLIES

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

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

INSTALLATION

Concrete shall be water-cured and attain a 4000 psi compressive strength. Concrete finish shall be a light steel trowel followed by a fine-hair broom, or equivalent ICRI #3-#4 finish. Moisture content in the concrete must be lower than 4.5% as measured by 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/950NF/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 Service for site conditions and requirements.

APPLICABLE STANDARDS

Conforms to:

- ASTM C957
 - CSA S413-14
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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 | | | | |
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| PROPERTY | TEST METHOD | VULKEM 360NF | VULKEM 950NF | VULKEM 951NF |
| Flash Point | Set-A-Flash | 185 °F (85 °C) | 200 °F (93 °C) | >200 °F (93 °C) |
| % Solids (by Weight) | ASTM D1353 | 91% | 99% | 80 to 85% |
| Drying Time @ 75 °F, 50% RH | ASTM D1640 | 25 mil film, 6 to 12 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 (indoor use only) | No effect |
| Salt Spray | ASTM B117 | N/A | No effect | No effect |
| Viscosity | Brookfield C&P | 8000 to 10000 cps | 2000 cps | 2500 cps |
| Elongation | ASTM D412 | 500% | 100% | 145% |
| Tensile Strength | ASTM D412 | 275 psi | 4200 psi | 4500 psi |
| Hardness (Shore A) | ASTM D2240 | 40 to 50 | 75 shore D | 50 shore D |
| Adhesion (Peel Strength) | ASTM D903 | Unprimed concrete, 45 pli, 100% cohesive failure | 100% cohesive failure | 100% cohesive failure |
| Adhesion (Pull-Off) | ASTM D4541 | 350 psi | N/A | N/A |
| Abrasion Resistance (1000 cycles) | ASTM D4060 | N/A | 70 mg | 33 mg |
| Accelerated Aging | ASTM D573 | No loss of elongation or tensile strength | 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 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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