

### Product Description

Vulkem® 350NF/950NF/950NF is a modified polyurethane traffic deck coating system composed of a base coat (350NF), heavy duty intermediate coat (950NF) and a top coat (950NF). 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 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 950NF Intermediate Coat is a two-component urethane that is applied after the Vulkem 350NF Base Coat has cured. The intermediate coat is loaded with aggregate to give the system excellent impact, abrasion and chemical resistance.

Vulkem 950NF Top Coat is a two-component polyurethane that is applied after the Vulkem 950NF intermediate coat has cured. Interlaminar adhesion to Vulkem 950NF is exceedingly strong. The top coat affords excellent abrasion resistance and chemical resistance to complete this Vulkem Traffic Deck Coating System.

### Basic Uses

Vulkem 350NF/950NF/950NF 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 and 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 extends the useful life of vehicular systems. Ideal for indoor parking structures.
- Recoatable and compatible with other Tremco sealants, which enhance 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 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.

### Colors

Vulkem 950NF is available in Gray, Slate Gray, and Black. Made-to-order and special colors also are available upon request.

### Installation

Concrete shall be water-cured and attain a 4000 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 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 350NF/950NF/950NF 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. Conforms to UL 790 - Class A Rating for non-combustible substrates.

### Limitations

- Do not apply to damp or contaminated surfaces.
- Use with adequate ventilation.

### Warranty

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Tremco Products proven to be defective, and Tremco shall not be liable for any loss or damage.

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.

**Vulkem® 350NF/950NF/950NF**

Elastomeric, Waterproof Indoor Traffic Deck Coating System

**TYPICAL PHYSICAL PROPERTIES**

| PROPERTY                          | TEST METHOD    | VULKEM 350NF  | VULKEM 950NF                              | VULKEM 950NF                              |
|-----------------------------------|----------------|---|---|---|
| Flash Point                       | Set-A-Flash    | >160 °F (71 °C)   | 200 °F (93 °C)                            | 200 °F (93 °C)                            |
| % Solids (by Weight)              | ASTM D1353     | 90 to 98%   | 99%                                       | 99%                                       |
| Drying Time @ 75 °F, 50% RH       | ASTM D1640     | 25 mil film, 4 to 6 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)                     | N/A (Indoor use only)                     |
| Salt Spray                        | ASTM B117      | N/A   | No effect                                 | No effect                                 |
| Viscosity                         | Brookfield C&P | 4000 to 6000 cps  | 2000 cps                                  | 2000 cps                                  |
| Elongation                        | ASTM D412      | 600 to 700%   | 100%                                      | 100%                                      |
| Tensile Strength                  | ASTM D412      | 220 to 460 psi  | 4200 psi                                  | 4200 psi                                  |
| Hardness (Shore A)                | ASTM D2240     | 45 to 60  | 75 shore D                                | 75 shore D                                |
| Adhesion (Peel Strength)          | ASTM D903      | Unprimed Concrete, 20 to 30 pli,<br>100% cohesive failure | 100% cohesive failure                     | 100% cohesive failure                     |
| Adhesion (Pull-Off)               | ASTM D4541     | 150 to 200 psi  | N/A                                       | N/A                                       |
| Abrasion Resistance (1000 cycles) | ATSM D4060     | N/A   | 70 mg                                     | 70 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.

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