

Vulkem® 950NF & 951NF Topcoats

Neighbor Friendly - Low Odor/Low V.O.C. Topcoats for Pedestrian and Vehicular Applications

Product Description

Vulkem® 950NF and 951NF Topcoats are high-performance, Neighbor-Friendly, two-part polyurethane coatings for vehicular (heavy duty) and pedestrian (medium duty) application where low odor and extremely durable coatings are desired. These topcoats are applied over a cured Vulkem basecoat.

Vulkem 950NF Topcoat can be used both as an intermediate coat for the Tremco heavy duty system and a topcoat for interior applications. Vulkem 951NF is a low-odor topcoat designed for exterior applications and for use over Vulkem 950NF in heavy duty applications.

The recommended basecoat for use with Vulkem 950NF and Vulkem 951NF is Vulkem 360NF. Vulkem 360NF is a low odor V.O.C. compliant, water-cured, rapid-setting polyurethane basecoat that possesses tenacious adhesion to clean dry concrete, wood and metal.

*Vulkem 350 may also be used. Consult your local sales representative.

Basic Uses

Medium Duty applications consist of a 25-mil coat of Vulkem 360NF and a 12-mil coat of one of the Vulkem NF topcoats with backrolled aggregate. This deck coating system is designed for waterproofing plaza decks, pool/recreation decks, balconies, mechanical rooms, stadiums, parking stalls, plywood decks and similar applications requiring an elastomeric waterproofing system.

Heavy Duty applications consist of a 25-mil coat of Vulkem 360NF and two 12-mil coats of one of the Vulkem NF topcoats with backrolled aggregate. This deck coating system is a cold applied vehicular traffic deck coating system designed for waterproofing concrete slabs and protecting occupied areas underneath from water damage. Additionally, the system will protect concrete from damaging effects of water deicing salts, chemicals, gasoline, oils and antifreeze.

Features

- Low odor
- Quick turnaround time
- Extremely tough topcoats
- Reduced number of coats for both the medium and heavy duty system.
- Topcoats need only 24 hours cure prior to vehicular traffic, 12 hours cure prior to foot traffic.

Limitations

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

Color

Vulkem 950NF or Vulkem 951NF topcoats are available in Gray, Slate Gray or Beige. Vulkem 951NF also comes in Clear (pedestrian only) and Black. Other colors are available via special order.

Packaging

Vulkem 360NF basecoat- 5 U.S. Gallons (18.9 L) in an Imperial 5 gallon (22.7 L) pail.

Vulkem 950NF Topcoat - Total of 4.2 gallon kit - Part A 3.25 Gallons (12.3 L) in a 5 Gallon (18.9 L) Pail, Part B .95 Gallons (3.6 L).

Vulkem 951NF Topcoat - Total of 4.6 gallon kit - Part A 3.75 Gallons (14.2 L) in a 5 Gallon (18.9 L) Pail, Part B .85 Gallons (3.2 L).

Applicable Standards

Conforms to ASTM C957.

Installation

Concrete shall be water cured and in place for at least 14 days, preferably 28 days. Concrete finish shall be a light steel trowel followed by a fine hair broom finish, or equivalent finish.

New or existing slabs must be dry, clean, sound and free of all contaminants which may interfere with adhesion or proper curing. Chemical and/or mechanical surfaces preparation may be required. Refer to Vulkem 360NF/950NF/ 951NF Application Instructions for specific application details. For specialty applications such as fountains, roof decks, tennis courts and others, visit www.tremcosealants.com. The Techniques may require modifications to adjust to the job-site conditions. Consult your Tremco Technical Service Representative or Field Representative for specific design requirements.

Note: For installation of 951NF - Clear, please refer to the Color-quartz application instructions for Vulkem 951NF - Clear.

Availability

Immediately available from your local Tremco Field Representative, Tremco Distributor or Tremco Warehouse.

Warranty

Tremco warrants its Vulkem Coatings 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 Vulkem Coating's. Tremco's sole obligation shall be, at its option, to replace, or refund the purchase of the quantity of Vulkem coating proved to be defective and Tremco shall not be liable for any loss or damage.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	360 NF Base Coat	950NF Top Coat	951NF Top Coat
Tensile	ASTM D-412	275 psi	4200 psi	5000+ psi
Elongation	ASTM D-412	500%	100%	260%
100% Modulus	ASTM D-412	130 psi	N/A	N/A
Hardness	ASTM C-661	40-50 Shore A	75 Shore D	50 Shore D
Permeability	E-96	0.12 metric perms	N/A	N/A
Viscosity, cps	Brookfield HBT	8-10,000	2000	2500
Cure Time at 77° F, 50% R.H.	ASTM D-1640	6 hrs. min.	24 hours, traffic	24 hours, traffic
Solids Content	ASTM C-792	>90%	99+%	>98%
Crack Bridging	N/A	1/8"	N/A	N/A
Tear Strength, psi	ASTM D-642	60-80	N/A	N/A
Peel Strength to Base Coat	N/A	N/A	100% c.f.	100% c.f.
Peel Strength, pli (concrete)	ASTM C-794	40-45	Concrete Fail.	N/A
Peel Strength, pli (plywood)	ASTM C-794	35-40	N/A	N/A
Peel-off Adhesion	ASTM D4541	350psi	N/A	N/A
Abrasion Resistance	120 psi cycles	N/A	100,000	100,000
Abrasion Loss (1000 cycles)	AST D4060	N/A	N/A	33mgms



Tremco Commercial Sealants & Waterproofing

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