



TECHNICAL DATA SHEET

VULKEM® 360NF+/ EPOXY WC/951NF

Epoxy Wear Coat, Waterproof
Traffic Deck Coating System

PRODUCT DESCRIPTION

Vulkem® 360NF+/Epoxy WC/951NF is a polyurethane traffic deck coating system featuring an epoxy wear course. It is composed of a base coat (360NF+), heavy duty, aggregate loaded, intermediate coat (Epoxy WC) 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 an enhanced, low-odor, low-VOC, water-cured urethane base coat designed to improve elongation, adhesion, and tensile strength over the original 360NF. It bonds firmly to clean, dry concrete and metal surfaces and maintains integrity with minor substrate movement or damage.

Vulkem Epoxy WC is a two-part, (1:1) high solids, low odor, VOC compliant, epoxy wear coat applied after the Vulkem 360NF+ Base Coat has cured. The intermediate coat is loaded with aggregate to give the system excellent impact and abrasion resistance.

Vulkem 951NF Top Coat is an aliphatic, low VOC, two-component polyurethane that is applied after the Vulkem Epoxy WC intermediate coat has cured. Interlaminary adhesion to Vulkem Epoxy WC 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+/Epoxy WC/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. It is ideal for high volume traffic areas.



FEATURES & BENEFITS

- Mildew and fungus resistance safeguards concrete surfaces against environmental contaminants.
- Low odor and low VOC formulation is ideal for use in occupied or sensitive environments.
- **Enhanced tensile strength and elongation** improve crack bridging, impact resistance, and long-term performance.
- **Strong adhesion to concrete** without primer simplifies installation and reduces labor time.
- Excellent durability and weather resistance extend the life of pedestrian and vehicular systems.
- Compatible with Tremco sealants and topcoats, supporting seamless integration into Vulkem traffic coating systems.

AVAILABILITY

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

PACKAGING

Vulkem 360NF+: 5 gal (18.9 L) in a 6-gal (22.7-L) pail

Vulkem Epoxy WC: 10-gal (37.9-L) kit – Part A: 1 5-gal (18.9-L) pail, Part B: 1 5-gal (18.9-L) pail.

Vulkem 951NF: Total of 4.6-gal (17.4-L) 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 and Slate Gray. Made-to-order and special colors also are available upon request.

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.

APPLICABLE STANDARDS

Conforms to:

- ASTM C957
- Conforms to UL 790 - Class A Rating for non-combustible substrates.
- CSA S413-14

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 #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.

Refer to the instructions for your specific system/application for installation details. The techniques involved may require modification to adjust to job-site conditions. Consult your Tremco Representative for specific design requirements.

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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Construction Products Group

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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				
PROPERTY	TEST METHOD	VULKEM 360NF+	VULKEM EPOXY WC	VULKEM 951NF
Flash Point	Set-A-Flash	204.8°F (96 °C)	>200 °F (93 °C)	>200 °F (93 °C)
% Solids (by Weight)	ASTM D1353	90%	100%	80 to 85%
Drying Time @ 75 °F, 50% RH	ASTM D1640	25-40 mil film, 6 to 12 hr	12 mil film, 10 ± 2 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	N/A	No effect
Viscosity	Brookfield C&P	8000 to 11000 cps	300-400 cps	2500 cps
Elongation	ASTM D412	550%	30%	145%
Tensile Strength	ASTM D412	1015 psi	3000 psi	4500 psi
Hardness (Shore A)	ASTM D2240	50 to 70	72 (Shore D)	50 (Shore D)
Adhesion (Peel Strength)	ASTM D903	Unprimed concrete, > 50 pli, 100% cohesive failure	100% cohesive failure	100% cohesive failure
Abrasion Resistance (1000 cycles)	ASTM D4060	N/A	N/A	33 mg
Adhesion (Pull-Off)	ASTM D4541	380 psi	N/A	N/A
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
Tear Strength	ASTM D624	N/A	330 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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