



TECHNICAL DATA SHEET

VULKEM®
360NF+/346TC

Pedestrian and Waterproofing System

PRODUCT DESCRIPTION

Vulkem® 360NF+/346TC 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 360NF+/346TC may be used to apply a seamless, monolithic waterproof membrane to concrete and primed metal surfaces.

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 346TC Top Coat is an aliphatic, single 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 360NF+ basecoat.

BASIC USES

Vulkem 360NF+/346TC is ideal for plazas, recreation decks, balconies, mechanical rooms, stadiums, athletic surfaces, and similar applications requiring an elastomeric waterproofing system.

FEATURES & BENEFITS

- Fast cure technology allows for same-day topcoating and return to service within 24 hours.
- 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.
- Mildew and fungus resistance safeguard concrete surfaces against environmental contaminants.
- 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 346TC: 5-gal (18.9-L) pails; 55-gal (208.2-L) drums

COLORS

- Vulkem 346TC is available in Gray, Limestone, Slate Gray, Charcoal, *Black, *White, *Beige, and *Maple. Made-to-order and special colors are also available upon request.

*Denotes special color.

FIRE RELATED ASSEMBLIES

- ANSI/UL790 – Standard Test Methods for Fire Tests of Roof Coverings
- CAN/ULC-S107 – Methods of Fire Tests of Roof Coverings

INSTALLATION

Concrete shall be water-cured and attain a 3000 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 using 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+/346TC 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 Services for site conditions and requirements.

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.

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 346TC
Flash Point	Set-A-Flash	204.8 °F (96 °C)	85°F (29°C)
% Solids (by Weight)	ASTM D1353	90%	78-83%
Drying Time @ 75 °F, 50% RH	ASTM D1640	25-40 mil film, 6 to 12 hr	15 mil film, 6-8 hours
Weathering	ASTM D822	N/A	N/A
Salt Spray	ASTM B117	N/A	N/A
Viscosity	Brookfield C&P	8000 to 10000 cps	1500-3000 cps
Elongation	ASTM D412	550%	120%
Tensile Strength	ASTM D412	1015 psi	3500 psi
Hardness (Shore A)	ASTM D2240	50 to 70	85 to 95
Adhesion (Peel Strength)	ASTM D903	Unprimed concrete, > 50 pli, 100% cohesive failure	100% cohesive failure
Adhesion (Pull-Off)	ASTM D4541	380 psi	N/A
Abrasion Resistance (1000 cycles)	ASTM D4060	N/A	50 mg
Accelerated Aging	ASTM D573	No loss of elongation or tensile strength	No loss of elongation or tensile strength
Tear Strength	ASTM D624		309 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.

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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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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