



TECHNICAL DATA SHEET

VULKEM® 350/346TC

Pedestrian and Waterproofing System

PRODUCT DESCRIPTION

Vulkem® 350/346TC 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 350/346TC may be used to apply a seamless monolithic waterproof membrane to concrete and primed metal surfaces.

Vulkem 350 Base Coat is a single-component 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 350 will prevent water migration between itself and the substrate. Vulkem 350 is available in roller (R) and in self-leveling (SL) grade for vertical and horizontal application.

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 350 basecoat.

BASIC USES

Vulkem 350/346TC is ideal for plazas, recreation decks, balconies, mechanical rooms, stadiums, athletic surfaces, and similar applications requiring an elastomeric waterproofing system.

FEATURES & BENEFITS

- Low VOC (<100 g/L)
- Fast cure through time allows for use 24 hr. after installation.
- Mildew- and fungus- resistance safeguards concrete surfaces against environmental contaminants.
- Excellent durability and UV resistance extend the useful life of pedestrian systems.
- Recoatable and compatible with other Tremco sealants, which enhances waterproofing protection with full system
- compatibility.

AVAILABILITY

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

PACKAGING

Vulkem 350: 5-gal (18.9-L) pails, 55-gal (208.2-L) drums

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.

LIMITATIONS

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

INSTALLATION

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

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 350	VULKEM 346TC
Flash Point	Set-A-Flash	112 °F (44.4 °C)	85°F (29°C)
% Solids (by Weight)	ASTM D1353	79%	78-83%
Drying Time @ 75 °F, 50% RH	ASTM D1640	25-40 mil film, 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	1040%	120%
Tensile Strength	ASTM D412	320 psi	3500 psi
Hardness (Shore A)	ASTM D2240	60	85 to 95
Adhesion (Peel Strength)	ASTM D903	Unprimed concrete 30 pli, 100% cohesive	100% cohesive failure
Adhesion (Pull-Off)	ASTM D4541	280 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.

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.

V346TC.350-DS/1025

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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