



## VULKEM® 346 TOP COAT

### Single-Component, Aliphatic Polyurethane Deck Coating

#### DESCRIPTION

Vulkem 346 Top Coat is an aliphatic, one component polyurethane coating. Vulkem 346 affords excellent abrasion resistance, UV stability and chemical resistance to complete the Vulkem Traffic Coating System.

#### BASIC USES

Vulkem 346 is used as the intermediate layer or protective top coat in a variety of Tremco's waterproofing coating systems. These coating systems are designed for use on pedestrian decks, car parks, roof top and interior waterproofing applications.

#### FEATURES & BENEFITS

- Fast cure through time allows for use 72 hr after installation.
- Mildew and fungus resistance safeguards concrete surfaces against environmental contaminants.
- Excellent durability and UV resistance extends the useful life of vehicular systems.
- Recoat-able and compatible with other Tremco sealants, which enhance waterproofing protection with full system compatibility.

#### PACKAGING

18.9L pails (5.0 gallons)  
208.2L drums (55 gallons)

#### COLOUR

Vulkem 346 is available in Beige, Grey, Limestone, Maple and Slate Grey. Made-to-order and special colours are available upon request.

#### COVERAGE

Coverage rates will vary depending on the thickness at which the Vulkem 346 is being applied.

- 0.37 mm WFT (15 mils) the coverage rate will be 0.37 litres/ m<sup>2</sup>
- 0.3 mm WFT (12 mils) the coverage rate will be 0.3 litres/ m<sup>2</sup>

#### INSTALLATION

Even though Vulkem 346 is a single component product it still requires some mixing to make sure that any liquid and pigment separation that may have occurred during shipping or storage is eliminated. Before use, mix the Vulkem 346 using a slow speed, high torque drill equipped with a jiffy type mixing paddle for 2-3 minutes. Take care to keep the paddle submersed in the liquid during mixing. Raising the paddle in and out of the liquid can introduce air into the coating which can lead to pinholes in the cured coating. Please refer to the Method Statement for the coating system being applied for detailed installation instructions including recommended thicknesses, detailing work etc.

#### LIMITATIONS

- Do not apply to damp or contaminated surfaces.
- Use with adequate ventilation.
- Certain types of tires, particularly high performance tires, have been known to stain deck coating systems. Tremco cannot be held responsible for staining of our deck coating systems caused by these types of tires.

#### APPLICABLE STANDARDS

Conforms to ASTM C957 and has a UL 790 Class A rating for non-combustible substrates when used in the tested Vulkem Coating systems. Consult your local Tremco sales representative or Tremco Technical Services for the details of these systems.

## WARRANTY

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or colour. 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.

PROPERTY	TEST METHOD	TYPICAL VALUE
MVT	ASTM E 96 (B)	2.0 perms
Maximum V.O.C	Method 310	353 g/L
Flash Point	Set-A-Flash	29°C
% Solids (by weight)	ASTM D1353	72%
Drying Time @ 25°C, 50% RH	ASTM D1640	0.3 mm film 6 – 8 hours
Open to vehicular traffic		72 hr after cure
Weathering	ASTM D822	No effect
Salt Spray	ASTM B117	No effect
Viscosity	Brookfield C&P	1500 to 3000 cps
Elongation	ASTM D412	120%
Tensile Strength	ASTM D412	> 22 MPa
Hardness (Shore A)	ASTM D2240	85 to 95
Abrasion Resistance (1000 cycles)	ASTM D4060	< 50 mg
Accelerated Aging	ASTM D573	No loss of elongation or tensile strength

PROPERTY	ASTM C957 REQUIREMENT	TYPICAL VALUE
Chemical Resistance (Tensile Retention)	Greater than	
Water	70%	98%
Ethylene Glycol (Antifreeze)	70%	97%
Mineral Spirits	45%	85%
Motor Oil	Not included as part of ASTM C957	92%
Hydraulic Brake Fluid	Not included	84%
Deicing Chemicals	Not included	99%
7% Detergent Solution	Not included	100%

*Note: These are typical values and should not be taken as specification items.  
\*A minimum of 72 hours is required after cure before allowing vehicular traffic.*

To find your local office address and contact details, visit

[www.tremcocpg-asiapacific.com](http://www.tremcocpg-asiapacific.com)

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