



TECHNICAL DATA SHEET

Vulkem® OC810

One-Coat, Low-Odor, Low-VOC Deck
Coating for Light Pedestrian Applications

PRODUCT DESCRIPTION

The Vulkem® OC810 coating is a high-solids, aliphatic, polyurethane membrane designed to be applied in one coat as a waterproofing system. A minimum thickness of 25 mils is required. Vulkem OC810 must be used with Tremco Rubber Aggregate 16 mesh.

BASIC USES

Vulkem OC810 Coating is ideal for light pedestrian traffic areas such as balconies, roof terraces, and mechanical rooms. It also can be used as a waterproofer for window eyebrow applications.

FEATURES & BENEFITS

- One-coat application reduces installation time and saves on labor.
- Fast cure through time allows for use the next day.
- Low odor and low level of Volatile Organic Compounds (VOC) provides for use in neighbor friendly, inhabited structures.
- Mildew- and fungus- resistance safeguards concrete surfaces against environmental contaminants.
- Excellent durability and UV resistance extends the useful life of pedestrian systems.
- Compatible with Tremco sealants, coatings and expansion joints, which is essential for tie-ins, detailing and penetrations.

AVAILABILITY

Immediately available from your local Tremco Sales Representative, Tremco distributor, or warehouse.

COLORS

Vulkem OC810 is available in Gray, Beige, Maple, Slate Gray, and Limestone. Special colors are available upon request.

FIRE RATED 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 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.

Please refer to the Vulkem OC810 Application Instructions for complete application details. The techniques involved may require modification to adjust the jobsite conditions. Consult your Tremco Sales Representative or Tremco Technical Service for site conditions and requirements.

APPLICABLE STANDARDS

Conforms to ASTM C957

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

Tremco warrants its Products 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 Tremco Products. Tremco's sole obligation shall be, at its option, to replace or 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.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULTS
Flash Point	Set-A-Flash	212 °F (100 °C)
% Solids (by Weight)	ASTM D1353	90%
Drying Time @ 75 °F, 50% RH	ASTM D1640	25 mil film, 2 hr
Open to foot traffic		12 hr
Weathering	ASTM D822	No effect
Salt Spray	ASTM B117	No effect
Viscosity	Brookfield C&P	4000 to 6000 cps
Elongation	ASTM D412	250 to 350%
Tensile Strength	ASTM D412	1700 to 2200 psi
Hardness (Shore A)	ASTM D2240	80 to 85
Adhesion (Peel Strength)	ASTM D903	Primed Concrete, 15 pli, 100% cohesive failure
Adhesion (Pull-Off)	ASTM D4541	250 psi
Abrasion Resistance (1000 cycles)	ASTM D4060	90 mg
SRI (White Only)	ASTM D1980	96 @ 5 W*m-2*K-1 96 @ 12 W*m-2*K-1 96 @ 30 W*m-2*K-1
Accelerated Aging	ATM D573	No loss of elongation or tensile strength

*Accelerated aging test. 1 daily cycle of UV and water spray greatly exceeds 1 day of real world exposure. Contact Tremco Technical Services or your local sales representative for more information.