



# TECHNICAL DATA SHEET

**VULKEM® 801**  
Heavy Duty, Aluminized Coating

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## PRODUCT DESCRIPTION

Vulkem® 801 is a liquid-applied, single-component, heavy duty, aluminized polyurethane coating system that has been formulated to have high tensile strength, tear strength and elongation, all in a viscosity grade that can be used horizontally and vertically. This coating forms a tough, weather resistant, waterproof elastomeric coating for a variety of waterproofing applications that require a weather-resistant coating.

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## BASIC USES

Vulkem 801 is suitable for application to substrates that have had loose materials completely removed and major defects repaired and leveled by conventional methods.

Vulkem 801 may be used in cooling water tanks\* where a high performance protective coating is required that can handle both horizontal and vertical application.

Vulkem 801 has excellent resistance to ponded water. It can be used in gutter and rainwater applications.

Vulkem 801 is often used as a repair to build-up roof decks where a temporary fix is required prior to full roof replacement. It is also used to connect inverted roof waterproofing membranes to the exposed parapet that still requires waterproofing, as it features good UV stability.

\*Please call technical service to discuss tank suitability.

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## AVAILABILITY

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

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## PACKAGING

1-gal (3.8-L), 2-gal (7.6-L), and 5-gal (18.9-L) pails. Also available in 55-gal (208.2-L) drums.

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## COLORS

Vulkem 801 is available in Gray.

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## INSTALLATION

Concrete surface shall be properly cleaned so that the surface to receive the coating is free of mold, paint, sealers, curing agents, loose particles, and other contamination or foreign matter which may interfere with the adhesion. Job site conditions may require the use of a Vulkem primer. Examine drains, scuppers, and flashing and repair defects or replace as necessary.

Clean metal surfaces that will receive the Vulkem 801 by wire brushing and solvent wipe with Xylol or MEK. Prime metal with TREMprime® Non-Porous Primer and allow to dry.

Apply Vulkem 801 with a medium nap (3/8") solvent-resistance roller. On smooth flat surfaces apply at the rate of 35 ft<sup>2</sup>/gal (.8m<sup>2</sup>/L) yielding 45 wet mils (1.14 mm), and on smooth sloped surfaces apply at a rate of 50 ft<sup>2</sup>/gal (1.2 m<sup>2</sup>/L) yielding 30 wet mils (.8 mm). Concrete surfaces require 60 wet mils of Vulkem 801 at a rate of 25 ft<sup>2</sup>/gal to obtain proper coverage and produce a smooth surface. If spraying, refer to the Vulkem 801 Spray Guide located on the Vulkem 801 product page at [www.tremcosealants.com](http://www.tremcosealants.com).

The techniques involved may require modifications to adjust to job site conditions as Vulkem 801 has many uses. Consult your Tremco representative for specific design requirements.

Tremco requires that any possible recoating job be reviewed and approved by your Sales and/or Technical Representative prior to installation.

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## MAINTENANCE

Damaged coating can be repaired. Consult your Tremco Distributor or Representative for repair procedures.

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## LIMITATIONS

- Do not apply over 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.

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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	TYPICAL RESULTS
Tensile Strength	ASTM D412	280 psi (1.9 MPa)
Elongation	ASTM D412	375%
Hardness (Shore A)	ASTM D2240	75
Artificial Weathering	ASTM G23	Excellent
Water Absorption	ASTM C739	Nil
Extension/Compression	ASTM C957	Passes
% Recovery	ASTM C957	94%
Permeability	ASTM E96	0.95
Cure Time	ASTM D1640	10-12 hr
% Solids (by Weight)	ASTM D1353	96.83%

Please refer to our website at [www.tremcosealants.com](http://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.**

801-DS/0922

Tremco Construction Products Group (CPG) brings together the Commercial Sealants & Waterproofing and Roofing & Building Maintenance divisions of Tremco CPG Inc.; Dryvit and Willseal brands; Nudura Inc.; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc.; Weatherproofing Technologies Canada, Inc.; and Pure Air Control Services, Inc.



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