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TECHNICAL DATA SHEET

Vulkem® 45SSL

Manufacturer: Tremco CPG Inc.

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TECHNICAL DATA SHEET

VULKEM® 45SSL

Single-Component, Semi-Self-Leveling,
Polyurethane Sealant

PRODUCT DESCRIPTION

Vulkem® 45SSL is a single-component, semi-self-leveling, moisture-curing, polyurethane sealant that is ideal for expansion joints in horizontal applications.

BASIC USES

Vulkem 45SSL is intended for use in expansion joints in sidewalks, swimming pool decks, plazas, floors, and any other horizontal surfaces with slopes up to 6% (e.g., 1' rise for every 16' run).

FEATURES & BENEFITS

Vulkem 45SSL has been formulated with an innovative polymer technology, similar to TREMproof® 250GC and Dymonic® 100, that allows it to be highly versatile and grants its unique capability to adhere to damp or green concrete without outgassing. This technology also provides the sealant with greater UV resistance and the exceptional wear and tear resistance that is required in high traffic areas.

- Low modulus
- Traffic rated
- Jet fuel resistant
- Easy to apply with conventional caulking equipment
- Suitable for continuous immersion in non-chlorinated water

The exceptional primerless adhesion and movement capability of Vulkem 45SSL makes it the ideal choice for expansion joints on horizontal surfaces. Unlike many pourable, semi-self-leveling sealants, Vulkem 45SSL can be used in sloped horizontal applications (with slopes up to 6%).

Vulkem 45SSL meets or exceeds the requirements of the following specifications:

- ASTM C920, Type S, Grade P, Class 35, Use T, M, A, O, and I (Class 2)
- CAN/CGSB 19.13-M87, MC-1-25-B-N
- ASTM E 1966/UL 2079

AVAILABILITY

Immediately available from your local Tremco Sales Representative, Tremco Distributor, or Tremco Warehouse in 1 qt (890 mL) cartridges, 2 gal (7.6 L) pails, 5 gal (18.9 L) pails, and 55 gal (208 L) drums.

COLORS

Available in Black, Buff, Gray, Limestone, and White.

LIMITATIONS

Use with adequate ventilation. Refer to product SDS, available on our website, for all health and safety information. Do not use in chlorinated, potable, heavy, or waste water.

Although this product is paintable, this does not imply adhesion to and compatibility with all paints. Please refer to Tremco Technical Bulletin No. S-09-05 for more information.

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
Rheological Properties	ASTM C639	Type I Single Component, Flowable
Hardness (Shore A)	ASTM C661	40 ± 5
Weight Loss	ASTM C1246	Pass
Skin Time	ASTM C679	2 hours
Tack Free Time	73.4°F (23°C), 50% RH	5 hours
Stain and Color Change	ASTM C510	Pass
Adhesion to Concrete	ASTM C794	31 pli (before water)
Adhesion to Concrete After Immersion	ASTM C794	28 pli
Adhesion to Green Concrete	ASTM C794	> 15 pli
Adhesion to Damp Concrete	ASTM C794	> 15 pli
Effects of Accelerated Aging	ASTM C793	Pass
Movement Capability	ASTM C719	± 35%
Movement Capability	ASTM C719* (Modified)	+100/-50%
Tensile Strength	ASTM D412	250 to 300 psi
% Elongation	ASTM D412	600 to 750%
Tear Strength	ASTM D412	35 psi
Service Temperature		-40 to 180 °F (-40 to 82 °C)
Application Temperature		40 to 100 °F (4 to 37 °C)

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.

V45SSL-DS/0123

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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