



# TECHNICAL DATA SHEET

**VULKEM® 116**  
Textured, Single-Component,  
Polyurethane Sealant

Distributed By:  
The Chas. E.  
**Phipps**  
Company  
Products. Equipment. Rentals.

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## PRODUCT DESCRIPTION

Vulkem® 116 is an excellent general-purpose sealant for construction applications; it is a textured, single-component, moisture-curing, gun-grade polyurethane sealant.

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## BASIC USES

Vulkem 116 is a durable, flexible sealant designed for use on poured and precast concrete, masonry work, window and door perimeters, and similar types of construction joints. Vulkem 116 is approved for exterior use only.

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## FEATURES & BENEFITS

Vulkem 116 has a 30-year history of delivering superior primerless adhesion to porous substrates, which makes it the choice for sealing expansion joints in commercial construction applications. Vulkem 116 is rated for ± 25% movement capability and offers excellent performance in dynamic joints.

- Suitable for certain water immersion applications
- Cure of the sealant can be accelerated with the addition of Vulkem Catalyst 45/116 as needed

Vulkem 116 meets or exceeds the requirements of the following specifications:

- ASTM C920 Type S, Grade NS, Class 25, Use T, NT, M, A, I class II, and O
- U.S. Federal Specification TT-S-00230C, Class A, Type II
- CAN/CGSB-19.13-M87
- USDA regulation for indirect food contact
- Canadian Food Inspection Agency
- City of Los Angeles (COLA) approval standards

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## AVAILABILITY

Immediately available from your local Tremco Sales Representative, Tremco Distributor, or Tremco Warehouse in 10.1 oz (300 mL) cartridges, 20 oz (600 mL) sausages, 2 gal (7.6 L) pails, 5 gal (18.9 L) pails, and 55 gal (208 L) drums.

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## COLORS

Available in Almond, Aluminum, Aluminum Stone, Anodized Aluminum, Beige, Black, Bronze, Buff, Dark Bronze, Gray, Ivory, Limestone, Natural Clay, Redwood Tan, Stone, and White.

*All colors are not available in all package sizes. Some colors may require a minimum quantity. Contact Tremco Customer Service for more information.*

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## LIMITATIONS

Vulkem 116 is approved for exterior use only. Do not use this product inside an occupied building even if there are no occupants present during use. Refer to product SDS, available on our website, for all health and safety information.

Do not apply Vulkem 116 over damp, green, or contaminated surfaces. 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
Extrusion Rate	ASTM C1183	40 to 50 mL/min
Hardness	ASTM C661	40
Weight Loss	ASTM C1246	Pass
Skin Time	ASTM C679	6 hours
Tack Free Time	73.4°F (23°C) 50% RH	30 hours
Stain and Color Change	ASTM C510	No stain / visible color change
Adhesion to Concrete	ASTM C794	20 to 25 pli (89 to 111 N)
Adhesion to Brick	ASTM C794	19 to 23 pli (85 to 102 N)
Effects of Accelerated Aging	ASTM C793	Pass
Movement Capability	ASTM C719	± 25%
Tensile Strength	ASTM D412	200 to 250 psi
% Elongation	ASTM D412	200 to 300%

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.**

V116-DS/0123

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