

TREMCO®

Vulkem® 921

One-Part High Performance Low Modulus Elastomeric

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Product Description:

Vulkem 921 is a one-part moisture curing, gun grade polyurethane sealant. Vulkem 921 is low modulus, durable, flexible, and offers excellent performance in moving joints. Vulkem 921 does not require a primer on most construction materials.

Basic Uses:

Vulkem 921 is an excellent general purpose sealant designed for use in precast, masonry, window and door frame perimeters and similar types of construction joints. Vulkem 921 is also suitable for continual immersion in water with the use of appropriate Vulkem primer. Vulkem 921 is designed for exterior and interior use.

Limitations:

- Do not apply over damp or contaminated surfaces.
- Use with adequate ventilation.

Packaging:

1/12 gallon (300mL) Cartridges,
20 oz. (600mL) Sausages, 2 (7.57 L)
and 5 gallon (19 L) pails and
55 gallon (208 L) drums.

Standard Colors:

White, Limestone, Ivory, Buff, Gray,
Aluminum, Redwood Tan, Bronze,
Dark Bronze and Black.

Applicable Standards:

Conforms to U.S. Federal
Specification TT-S-00230C, Type II,
Class A and ASTM C920, Type S,
Grade NS, Class 100/50 Use NT, M,
A, I, and O, CAN/CGSB 19.13-M87,
MC-2-40-B-N.

INSTALLATION

Joint Design:

May be used in any vertical or horizontal joint design in accordance with accepted architectural/engineering practice. Joint width should be 4 times anticipated movement, but not less than 1/4 inch (6.4mm) wide.

Joint Dimension:

For joints 1/4 inch (6.4mm) to 1/2 inch (12.7mm) wide, the width to depth ratio should be equal. Joints 1/2 inch (12.7mm) wide or greater should have a sealant depth of 1/2 inch (12.7mm). Minimum joint size is 1/4 inch by 1/4 inch (6.4mm by 6.4mm).

Surface Preparation:

For good adhesion, the joint interface must be sound, clean and dry. Depending on the substrate, or presence of form release agents, masonry waterproofing, dust, loose

mortar or laitance, architectural paints or finishes, the joint surface may require a thorough wire brushing, grinding, sandblasting, solvent washing and/or primer.

Tooling & Cleaning:

Tooling is recommended immediately after application to insure firm, intimate contact with the joint interface. Dry tooling is preferred. Excess sealant and smears adjacent to the joint can be removed with Xylol or Toluol before sealant cures.

Joint Backing- Bond Breaking Tape:

Closed cell polyethylene backer rods are preferred as joint backing to control depth of sealant bead. Where depth of joint will prevent use of joint backing, an adhesive backed polyethylene tape should be installed to prevent three-sided adhesion. Joint backing must be dry at time of sealant application.



Application:
Vulkem 921 is easy to apply with conventional caulking equipment. Fill joint completely with a proper width-to-depth ratio.

Maintenance:
Damaged sealant can be repaired. Consult your Tremco Distributor or Representative for repair procedures.

Availability:
Immediately available from your local Tremco Field Representative, Tremco Distributor or Tremco Warehouse.



Warranty:
Tremco warrants its Vulkem Sealants to be free of defects in material, but makes no warranty as to appearance or color. Since method 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 MER-

CHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Vulkem Sealants. Tremco's sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of Vulkem Sealant proven to be defective and Tremco shall not be liable for any loss or damage.

TYPICAL PHYSICAL PROPERTIES

ASTM C920 TT-S-00230C	Requirement	Vulkem 921 Results
Rheological Properties at 40 and 122°F. (4.4 and 50°C.)	3/16" (4.8mm) Maximum Flow No Deformation	0 None
Extrusion Rate	45 Seconds Maximum	5
Hardness Properties	(Shore A) 15-50	20-25
Weight Loss	Less than 10%	7
Tack Free Time	Tack Free 72 Hours Maximum	22
Stain & Color Change	No Visible Change No Stain	None None
Durability-Cyclic Movement Adhesion & Cohesion	1-1/2 sq. in. (9.7cm ²) Max Bond Loss	Passes class 25
Bubble Formation	1/16" (1.6mm) Dia. Max.	Passes
Adhesion-in-Peel	Not less than 5 pli (22N)	Aluminum-18-22 pli (80-98N) Concrete-20-25 pli (89-111N) Brick-19-23 pli (85-102N)
Effects of Accelerated Weathering	No cracks greater than #2 on U.V. and Cold Temperature Bond Test	Passes
Movement Capability	N/A	+100% -50%
Potable Water	ANSI/NSF Standard 61	Listed (White)

For MSDS and Spec Data Sheets,
Call our 24 Hour Fax-Back Line:
1-800-551-2806
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