

TREMCO®

Spectrem® 2

High-Performance Silicone Sealant

Product Description:

Spectrem 2 is a medium-modulus, one-part, high-performance, neutral-cure silicone sealant ideal for a variety of perimeter caulking and glazing applications.

Basic Uses:

Spectrem 2 is suitable for both caulking and glazing applications, including cap beads, toe beads, heel beads and other typical air seals. It is particularly appropriate as a weather seal and tensile bead in two-sided structural glazing systems and ideal for sealing joints within the curtainwall or window systems.

Spectrem 2 may be used as a weather seal for materials such as aluminum, glass, steel, painted metal, plastic, stone, concrete and brick. Spectrem 2 exhibits primerless adhesion to many common building materials.

“All” Structural Glazing Applications must be reviewed and approved by Tremco Technical Service prior to the application of Spectrem 2.

Limitations:

- Do not apply to damp or contaminated surfaces.
- Use with adequate ventilation.
- Clear silicones are not recommended for structural glazing applications.

Packaging:

1/12 gallon (300mL) cartridges, 20 oz. (600mL) sausages, 2 gallon (7.6 L) and 4.5 gallon (17 L) pails and 55 gallon (208.2 L) drums.

Standard Colors:

Adobe Tan, Aluminum Stone, Anodized Aluminum, Black, Blue Spruce, Bronze, Buff, Charcoal, Champagne, Clear, Dark Bronze, Dusty Rose, Gray, Ivory, Light Bronze, Limestone, Off White, Pre-cast White, Rustic Brick, Sandstone, and White.

Applicable Standards:

Conforms to ASTM C920 Type S, Grade NS, Class 50, Use NT, M, G, A and O, CAN/CGSB-19.13-M87, U.S. Federal Specification TT-S-001543A (COM-NBS) Class A, and U.S. Federal Specification TT-S-00230C (COM-NBS) Class A, Type II. Black Spectrem 2 meets all of AAMA 802.3-92 (Type I and II), 805.2-94 (Group C), and 808.3-92.

INSTALLATION

Joint Design:

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

Joint Dimensions:

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 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 substrates, 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. Cleaning can be accomplished with solvents such as Xylene, Toluene or MEK while sealant is in an uncured state.



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:

Spectrem 2 is easy to apply with conventional caulking equipment. Fill joint completely and tool. At 75°F (23.9°C), 50% R.H. a durable skin will form typically within less than 10 minutes.

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 Sealants to be free of defects in material, 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 Sealants. Tremco's sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of Sealant proved to be defective and Tremco shall not be liable for any loss or damage.

TYPICAL PHYSICAL PROPERTIES

Property As Supplied:	Test Method	Typical Value
Tack-free time	ASTM C-679	20-40 minutes
Sag	ASTM D-2202	0-0.1mm (0-0.03")
Tooling Time	Skin formation	10-20 minutes
As Cured: After 14 days at 77°F (25°C) and 50% R.H.		
Hardness (Shore A)	ASTM C-661	37-40
Tensile strength at maximum elongation	ASTM D-412	1.52-1.59 MPa (220-230 psi)
Elongation	ASTM D-412	235-260%
Tensile Strength at 100% elongation	ASTM C-1135	0.62-0.69 MPa (90-100 psi)
Tear Strength	ASTM D-624	6.14-7.02 kN/m (35-40 pli)
Peel Strength Aluminum, Glass	ASTM C-794	2.81-3.86 kN/m (16-22 pli)
Cyclic movement	ASTM C-719	±50%

NOTE: The foregoing information is published as general information only. The listed properties and performance characteristics are approximate values and are not part of the product specification.



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

1-800-551-2806

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