

# TREMCO®

# Spectrem® 2

## High Performance Silicone Sealant

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### 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 (2) sided structural glazing systems and ideal for sealing joints within the curtainwall or window systems.

**“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 (300 ml) cartridges, 20 oz. (600 ml) sausages, 2 gallon (7.57 γ) and 4.5 (17.1 γ) gallon pails and 55 gallon (208 γ) drums.

### Standard Colors:

White, Off White, Clear, Graystone, Gray, Bronze, Limestone and Black.

### Applicable Standards:

Conforms to ASTM C920 Type S, Grade NS, Class 25, Use NT, M, G, A and O, CAN/CGSB-19.13-M87, U.S. Federal Specification, Black Spectrem 2 meets all of AAMA 802.3-92 (Type I and II), 805.2-94 (Group C), and 808.3-92, TT-S-00001543A (COM-NBS) Class A, and U.S. Federal Specification TT-S-00230C (COM-NBS) Class A, Class II.

### 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 (6.4 mm) wide.

#### Joint Dimensions:

For joints 1/4 inch (6.4 mm) to 1/2 inch (12.7 mm) 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 (12.7 mm). Minimum joint size is 1/4 inch by 1/4 inch (6.4 mm by 6.4 mm).

#### 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 uncured state.



**Joint Backing-Bond Breaking Tape:**  
Closed cell polyethylene, reticulated foam and some open cell polyurethane rods may be used 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 side 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	35-45 minutes
Sag	ASTM D-2202	0-0.1mm (0--0.03")
Tooling Time	Skin formation	15-20 minutes
<b>As Cured: After 14 days at 77°F (25°C) and 50% R.H.</b>		
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.



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