

### Product Description

Spectrem® 3 is a single-component, neutral-cure, low-modulus, construction grade silicone sealant that is non-staining and has low polar attraction to dirt.

### Basic Uses

Spectrem 3 has a patented chemistry that has been specifically formulated to seal porous stone, EIFS, metal panels, masonry and pre-cast concrete joints.

### Features and Benefits

- A 20-yr non-stain warranty when pre-approved and tested by Tremco in accordance with ASTM C1248.
- Low polar attraction to dirt makes buildings easier to clean and maintain.
- Low-modulus and low Shore A hardness reduce chance of EIFS substrate failures when compared to applications with medium-modulus sealants.
- Primerless adhesion to most porous substrates.
- Extended tooling time and workability in high temperatures.
- Ease of use reduces the risk of application failure.
- Matte finish affords an aesthetically pleasing appearance with EIFS and stone substrates.
- No cure inhibition with Spectrem 1, Spectrem 2, Dymonic® FC when applied "wet-to-wet," minimizing the chance of leakage when sealants abut at glazing and other façade intersects.
- Low-VOC and zero-solvent content satisfies the LEED Indoor Environmental Criteria.
- Greenguard Gold certification ensures safety for use in the most sensitive indoor environments including hospitals and schools.

### Availability

Immediately available from your local Tremco Sales Representative, Tremco Distributor or Tremco Warehouse.

### Packaging

- 10.1-oz (300-mL) cartridges
- 20-oz (600-mL) sausages
- 2-gal (7.6-L) and 4.5-gal (17-L) pails
- 55-gal (208.2-L) drums

All colors are not available in all package sizes. Contact Tremco Customer Service for more information.

### Colors

Aluminum Stone, Anodized Aluminum, Black, Bronze, Gray, Limestone, Off White, Precast White, White, Adobe Tan, Buff, Champagne, Dusty Rose, Sandstone, Ivory and Light Bronze.

### Limitations

- Do not apply to damp or contaminated surfaces.
- Use with adequate ventilation.
- Not intended for continuous water immersion.

### Substrate Preparation

Surfaces must be sound, clean, and dry. Contact surfaces should be free of loose dirt, dust, oils, and any other contaminants. Tremco recommends that air temperatures be 40 °F (5 °C) or above before applying any sealant. If colder weather is imminent, please refer to the Tremco Guide for Cold Weather Applications at [www.tremcosealants.com](http://www.tremcosealants.com).

### Applicable Standards

Spectrem 3 meets or exceeds the requirements of the following specifications:

- ASTM C920 Type S, Grade NS, Class 50\*, Use NT, M, G, A and O
- ASTM C1248
- ASTM C1382
- U.S. Federal Specification TT-S-001543A Class A
- U.S. Federal Specification TT-S-00230 Class A
- CAN/CGSB 19.13-M87
- EIMA Test Method 300.01

### Application

Spectrem 3 is easy to apply with conventional caulking equipment. Fill joint completely and tool. At 75 °F (23.9 °C), 50% RH, tooling time is 1 hr. Please visit [www.tremcosealants.com](http://www.tremcosealants.com) for complete application instructions.

### Priming

If priming is deemed necessary use Tremco® Silicone Porous Primer for porous substrates and Tremco Silicone Metal Primer for non-porous substrates.

### Joint Design

May be used in joints designed in accordance with accepted architectural/engineering practices. Joint width should be 4 times anticipated movement, but not less than 1/4" (6 mm) wide.

### Joint Backing

Closed-cell polyethylene backer rods are preferred as a joint backing material 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 the time of sealant application.

### Sealant Dimensions

For joints 1/4" (6 mm) to 1/2" (13 mm) wide, the width-to-depth ratio should be equal. Joints 1/2" wide (13 mm) or greater should have a depth of 1/2" (13 mm). Minimum joint size is 1/4" x 1/4" (6 mm x 6 mm).

### Clean Up

Tooling is recommended immediately after application to ensure firm, intimate contact with the joint interface. Dry tooling is preferred. Cleaning can be accomplished with solvents such as IPA, MEK, Toluene or Xylol while sealant is in an uncured state.

### Warranty

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

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.

## Spectrem® 3

Single-Component, Neutral-Cure, Non-Staining Silicone Sealant

### TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUES
<i>As Supplied:</i>		
Tack free time	ASTM C679	2 hr
Tooling Time	Skin Formation	40 min
<i>As Cured: After 14 days at 77 °F (25 °C), 50%RH</i>		
Joint Movement Capability Extension Compression	ASTM C719	±50%*
Hardness (shore A)	ASTM C661	15
Peel Strength Aluminum and Glass	ASTM C794	25 to 35 pli minimum -40 to 300 °F (-40 to 149 °C)
Stain & Color Change	ASTM C510 TT-S-001543A	No Stain
Staining of Porous Substrates White Marble Primed & Unprimed	ASTM C1248	No Stain
Tear strength, die ("C")	ASTM D624	25 to 30 pli minimum
Tensile Strength at Max Elongation	ASTM D412	155 psi
Tensile Strength at Max Elongation 100% Modulus	ASTM D412	55 psi
Tensile Strength at Max Elongation 50% Modulus		40 psi
Tensile Strength at Max Elongation 25% Modulus		25 psi

\*Modified ASTM C719 test

#### 0316/SPEC3DS-ST

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#### Tremco Commercial Sealants & Waterproofing

3735 Green Rd  
Beachwood OH 44122  
216.292.5000 / 800.321.7906

1451 Jacobson Ave  
Ashland OH 44805  
419.289.2050 / 800.321.6357

220 Wicksteed Ave  
Toronto ON M4H1G7  
416.421.3300 / 800.363.3213

1445 Rue de Coulomb  
Boucherville QC J4B 7L8  
514.521.9555