

Tremsil® 600 Silicone Glazing Sealant

Product Description

Tremsil® 600 is a one-part, neutral cure, fast skinning, medium modulus silicone sealant. The sealant cures to a flexible rubber when exposed to moisture present in the air.

Basic Uses

Tremsil 600 is ideal for use as an in-plant glazing sealant for applications that include, back-bedding, cap, heel and toe beads, and sash joinery. Tremsil 600 is compatible to most common porous and non-porous building components and has excellent adhesion to aluminum, stainless steel, metals, glass, plastics, rigid PVCs, wood, brick, concrete and painted surfaces. Tremsil 600 is also designed for application through automated glazing equipment, (i.e., x-y tables).

Applicable Standards

Conforms to ASTM C 920 Type S, Grade NS, use NT, G, A and O and CAN/CGSB-19.13-M87 and U.S. Federal Specification TT-S-00230C (COM-NBS) Class A, and AAMA 800-92 (802.3-92, 808.3-92) and U.S. Federal Specification TT-S-001543A (COM-NBS) Class A.

Packaging

10.1 oz. (300mL) cartridges, 20 oz. (600mL) sausages, 4.5 gal. (17L) pails, 50 gal. (189L) drums

Standard Colors

White, Black, Clear, Buff and Anodized Aluminum.

**SEALANT · WATERPROOFING
& RESTORATION INSTITUTE**

Issued to: Tremco Incorporated
Product: Tremsil 600 Silicone Glazing Sealant

C719: Pass Ext:+25% Comp:-25%

Substrate: Aluminum, Mortar, Glass
[Mortar substrates primed with Tremsil Silicone Porous Primer.]

C661: Rating 45

Validation Date: 3/30/07 - 3/29/12

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SEALANT VALIDATION
www.swrionline.org

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 (6mm) wide.

Joint Dimensions

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

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.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Value
Uncured		
Tack Free Time	ASTM C 679	Less than 2 hrs.
Sag	ASTM D 2202 (full)	0-0.03 in. (0-0.8mm)
Tooling Time	Skin formation (Touch)	8-10 mins.
Cure Through	Cure rate for 1/4 in. (6mm) bead @ 73°F (23°C) and 50% R.H.	Less than 7 days
As Cured: After 14 days at 77°F (25°C) and 50% R.H.		
Hardness (Shore A)	ASTM C 661	45
Tensile strength at maximum elongation	ASTM D 412	1.4 MPa (200 psi)
Elongation	ASTM D 412	500%
50% Modulus	ASTM D 412	0.45 MPa (65 psi)
Cyclic movement	ASTM C 719	±25%

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.

Tooling & Cleaning

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 or MEK while sealant is in 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

Tremsil 600 is easy to apply with conventional caulking equipment. Fill joint completely and tool. At 75°F (23.9°C), 50% R.H. tooling time is from 8 to 10 minutes.

Maintenance

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

Limitations

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

Warranty

Tremco warrants its Products 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 MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Products. Tremco's sole obligation shall be at, its option, to replace, or to 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 for the most up-to-date Product Data Sheets.

