

Product Description

Tremsil® 600 is a single-component, 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 with 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 (x-y tables).

Features and Benefits

- With excellent adhesion to a variety of substrates, including glass and metal, one product may be used for a variety of applications on the same job from metal to metal joinery to perimeter beads.
- Comes ready to use with no mixing required for immediate application with conventional caulking equipment.
- Greenguard Gold certification ensures safety for use in the most sensitive indoor environments including hospitals and schools.

Availability

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

Packaging

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

Colors

White, Black, Clear, Buff and Anodized Aluminum.

Limitations

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

Substrate 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.

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.

Applicable Standards

- Conforms to ASTM C920 Type S, Grade NS, use NT, G, A and O
- CAN/CGSB-19.13-M87
- U.S. Federal Specification TT-S-00230C (COM-NBS) Class A
- AAMA 800-92 (802.3-92, 808.3-92)
- U.S. Federal Specification TT-S-001543A (COM-NBS) Class A

Application

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

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" (6 mm) wide.

Joint Backing

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.

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" (13 mm) wide 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, Toluene, Xylol or MEK while sealant is in 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 for the most up-to-date Product Data Sheets.

Tremsil® 600

Single-Component, Neutral-Cure Silicone Sealant for Glazing

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUES
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Uncured:

Sag	ASTM D2202	0-0.03" (0-0.8 mm)
Tack free time	ASTM C679	Less than 2 hr
Tooling Time	Skin Formation	8 to 10 min

As Cured: After 14 days at 77 °F (25 °C),
50%RH

Cyclic Movement	ASTM C719	±25%
Elongation	ASTM D412	500%
Hardness (shore A)	ASTM C661	45
Tensile Strength at Max Elongation	ASTM D412	1.4 MPa (200 psi)

0815/T600DS-ST

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