# Tremsil® 600
## Single-Component, Neutral-Cure Silicone Sealant for Glazing

## 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.
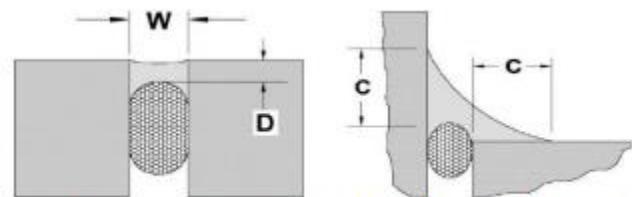
## Sealant Dimensions



Figure 1 Non-structural sealant bead width and depth recommendations and appropriate joint design

Expansion joints: The minimum joint width (W) and sealant contact depth (C) of any silicone sealant application is 1/4" by 1/4" (6.35 mm by 6.35 mm). It is recommended that the sealant joint depth (D), when measured from the face of the sealant bead to the crown of the backer rod, be equal to one-half the sealant joint width (W), known as 2:1 width-to-depth joint ratio. For silicone sealants, the minimum sealant joint depth (D) at crown of backer rod is 1/8" (3 mm) and the maximum sealant joint depth at crown of backer rod is ½" (13 mm). For joints that are wider than 1" (25 mm), contact Tremco's technical services or the Tremco sales representative nearest to the application site for additional support.

Window perimeter joints: For fillet beads, or angle beads around windows and doors, the sealant should exhibit a minimum sealant contact depth [C] of 1/4" (6.34 mm) onto each substrate. Proper joint backing or bond breaking must be implemented to allow the sealant to perform when exposed to joint movement.

## 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.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

## TYPICAL PHYSICAL PROPERTIES

| PROPERTY | TEST METHOD | TYPICAL VALUES |
|---|---|---|
| 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) |

1018/T600DS-ST

## Tremco Commercial Sealants & Waterproofing

| | | | |
|---|---|---|---|
| 3735 Green Rd | 1451 Jacobson Ave | 220 Wicksteed Ave | 1445 Rue de Coulomb |
| Beachwood OH 44122 | Ashland OH 44805 | Toronto ON M4H1G7 | Boucherville QC J4B 7L8 |
| 216.292.5000 / 800.321.7906 | 419.289.2050 / 800.321.6357 | 416.421.3300 / 800.363.3213 | 514.521.9555 |

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