

Proglaze[®] SSG

Structural Silicone Glazing Sealant

Product Description

Proglaze SSG is a one-part, high modulus, neutral cure silicone sealant ideal for a wide variety of glazing applications. Proglaze SSG provides high performance capabilities as well as an exceptionally fast cure.

Basic Uses

Proglaze SSG is designed to meet the stringent performance needs for both Structural and Protective Glazing. Whether it is a unitized curtainwall manufactured in plant or a field glazed project, Proglaze SSG offers fast through cure and exceptional tensile strength to meet the most stringent building codes.

- 2 or 4 sided structural glazing
- Impact/Hurricane Tested, including Miami/Dade protocol
- Bomb Blast Mitigation Tested
- Structural Silicone Anchor in retrofit Blast Film applications
- Cap, heel or toe bead

All Structural and Protective Glazing designs must be reviewed by Tremco Technical Services.

Applicable Standards

Conforms to ASTM C920 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, Type II, and U.S. Federal Specification TT-S-001543A (COM-NBS) Class A. Conforms to ASTM C-1184, Use G and O (aluminum).

Packaging

1/12 Gallon (300 ml) cartridges, 20 oz. (600 ml) sausages, 4.5 (17.1 L) gallon pails and 50 gallon (189.3 L) drums
2 Gallon pails

Color

Black

INSTALLATION

Joint Design

Complete joint design and application methods are available from your local Tremco Representative or Tremco Technical Service.

Surface Preparation

Substrates for every structural silicone glazed project should be submitted for adhesion and compatibility testing by Tremco Technical Services prior to commencement of glazing. The surface preparation (cleaning method and primer if required) for each structural glazing project will be recommended based on production run sample substrates supplied by the customer and based on laboratory testing performed by Tremco. Joint interfaces must be clean, dry, and free from any foreign matter prior to sealant application. Metal, glass and other non-porous surfaces should be wiped clean with a solvent dampened clean towel, followed immediately by a dry wipe with a clean, lint free towel before the solvent evaporates (i.e. 2 rag method). Preferred solvent is Isopropyl Alcohol (IPA). Follow all precautions on label during handling of solvent. A trial application of the solvent is recommended to ensure there is not adverse reaction with the substrates.

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 IPA or MEK while sealant is in uncured state.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Value
Extrusion Rate		33 seconds
Tack Free Time	ASTM C-679	10-15 minutes
Sag	ASTM C-639	None
Tooling Time	Skin Formation	5-10 minutes
Hardness (Shore A)	ASTM C-661	40
Tensile at Maximum Elongation	ASTM D-412	350psi
Maximum Elongation	ASTM D-412	380%
Tear Strength	ASTM D-624	67 lbs/in
Peel Strength	ASTM C-794	
Aluminum and glass		60 lbs/in
As Cured: After 21 days at 77°F (25°C) and 50% R.H.		
Ultimate Tensile Strength	ASTM C-1135	1.10 MPa (160 psi)
Ultimate Elongation	ASTM C-1135	193%

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.

All structural applications must use silicone compatible spacers which have been approved by Tremco Technical Service.

Application

Proglaze SSG is easy to apply with conventional caulking equipment. Fill joint completely and tool. At 75°F (23.9°C), 50% R.H. recorded tooling time is 7 minutes.

Maintenance

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

Limitations

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

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.

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

