Proglaze® SSG

Single-Component, Neutral-Cure, Silicone Sealant for Structural Glazing

Product Description

Proglaze® SSG is a single-component, neutral-cure, high-modulus silicone sealant ideal for a wide variety of glazing applications. Proglaze SSG offers fast through-cure and exceptional tensile strength.

Basic Uses

Proglaze SSG is designed to meet the stringent performance needs for both 2- and 4-sided structural and protective glazing, including cap, heel or toe bead. Whether it is a unitized curtain wall 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. All structural glazing applications must be reviewed and approved by Tremco Technical Services.

Features and Benefits

- High modulus produces a tough, flexible rubber cure for a tenacious, watertight seal.
- Provides the excellent adhesion, fast through-cure and exceptional tensile strength and flexibility critical to withstanding wind cycle loads and missile impacts.
- Impact/hurricane tested to the industry's most stringent performance standards, including Miami/Dade Protocol.
- Successfully tested structural anchor in retrofit Blast Film applications.
- 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 and 50-gal (189-L) drums

Colors

Black

Limitations

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

Substrate 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 an adverse reaction with the substrates.

Applicable Standards

- Conforms to ASTM C 920 Type S, Grade NS. Class 25, Use NT, G, A
- CAN/CGSB-19.13-M87
- U.S. Federal Specification TT-S-00230C (COM-NBS0 Class A, Type II
- U.S. Federal Specification TT-S-001543A (COM-NBS) Class A
- Conforms to ASTM C1184 Use G and O (aluminum)
- AAMA 802.3-10, Type I

Application

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

Joint Design

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

Joint Backing

Approved structural glazing tapes, such as SGT 900 Series Tape, compatible silicone, or SCR spacer gaskets are approved to promote properly dimensioned tensile beads when used in 2- and 4-sided structural and protective glazing applications.

For non-structural glazing applications, closed-cell polyethylene backer rod is 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 Services.

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
Flow, sag, or slump inches	ASTM C639	none
Tack free time	ASTM C679	10 to 15 min
Tooling Time	Skin Formation	5 to 10 min
Ultimate Elongation	ASTM C1135	193%
Extrusion Rate		33 seconds
Hardness (Shore A)	ASTM C661	40
Maximum Elongation	ASTM D412	380%
Peel Strength Aluminum and Glass	ASTM C794	60 lb/in
Tear Strength	ASTM C624	67 lb/in
Tensile Strength at Max Elongation	ASTM D412	350 psi
As Cured: After 21 days at 77 °F (25 °C), 50%RH		
Maximum Elongation	ASTM D412	380%
Ultimate Tensile Strength	ASTM C1135	1.10 MPa (160 psi)

Tremco Commercial Sealants & Waterproofing

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