Tremco SG200 Proglaze II

2-Part, Silicone SSG Bonding Sealant - Black Grade

Description
Tremco SG200 Proglaze II is a high modulus, two-component, elastomeric, neutral curing silicone sealant specifically developed for in-plant Silicone Structural Bonding application.

Purpose
SG200 Proglaze II is ideally suited for both two and four sided structural glazing applications usually between single glass pane or IG unit and frame such as anodized aluminium, stainless steel, coated aluminium etc. It is designed specifically for in-plant glazing and curtain wall applications where fast cure time reduces production time.

Limitations :
- Relative humidity during application process will not exceed 80%.
- The product is not designed for permanent water immersion and all detailed design must be done with this in mind.

Advantages
- Designed and approved for SSG applications
- Wide mixing tolerance ratio for easier manufacturing process
- Excellent mechanical properties and adhesion to most common curtain walling substrates
- Outstanding resistance to UV exposure, ozone and extreme temperatures
- Fast cure not dependent on joint depth and ambient humidity
- Non-corrosive and odourless cure
- ETA certified, CE marked, SNJF VEC, and conforms to norms : ASTM C1184 -EN 15434-ISO 28278

Packaging
Part A base: 190 litre drum
Part B curative: 18 litre pail

CE
ETAG 002
ETA 05/0006
DOP - SG200 - 20130701

www.tremco-illbruck.com

Technical Data

Characteristics (Typical Values)	Norms	Values	
		Part A : Base	Part B : Curative
Composition		Two component neutral silicone	
Colour		Beige	Black
		Final Mix : Black	
Specific Gravity		1.33 g/cm³	1,05 g/cm³
		Final Mix : 1.31 g/cm³	
Viscosity	Brookfield Rheometer	550 - 950 Pa.s	400 - 800 Pa.s
Snap Time	23°C, 50% RH	30 to 60 minutes	
Tack Free Time	23°C, 50% RH	Approximately 80 minutes	
Pump Alarm Setting		15 minutes	
Mixing ratio: **- By weight** - By volume (rounded values)		**A : B, 13 : 1** A : B, 10 : 1	
Mixing tolerance (Weight) :		Min : 11	Min : 1
		Max : 14	Max : 1
Shore A Hardness	EN ISO 868	Approximately 35	
Ultimate Tensile Strength	EN ISO 8339	> 1,0 MPa	
Designed Dynamic Tensile Strength		140,000 Pa	
Designed Static Shear Strength		7,000 Pa	
Elastic Modulus in tension at 12,5% Elongation K12,5		>1,4 Mpa	
Elongation at Break	EN ISO 8339	>200%	
Elastic Recovery at 25 %	EN ISO 7389	>95%	
Sag/Boeing Jig		0mm	
Recommended Application Temperature		+15 to +35° C	
Temperature Resistance		-40°C to +150°C	
Shelf Life & Storage		Part A : 12 months	Part B : 9 months
		24 months when stored in original unopened containers, in shaded dry conditions between +5°C and + 25°C.	

* at lower or higher temperatures, the time and speed of cure can vary. Please contact us for more detailed explanation if you are out of the recommended application temperature.

USAGE GUIDELINES

Preliminary bonding section analysis
Each bonding operation can only be carried on after the consultation of the local Tremco illbruck representative. The bonding section will be determined according to the calculation rules of ETAG 002. These calculations will be verified in collaboration with Tremco illbruck. Convenience tests will help determine the bonding surface preparation through an adhesion test as well as verifying the full compatibility of all the system's componants.

Chemical resistance & Compatibility
Resistant to diluted bases, salt spray and short term exposure to most common industrial solvents and hydrocarbon-based products (may cause softening/swelling).

Any glazing, weather sealing or IG

TREMCO

snjf - VEC n°2775

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unit perimeter sealant as well as any other material such a gasket, spacer tape or setting blocks likely to be in to contact with, or in close proximity to the SSG bonding section, must be compatible with Tremco SG200 Proglaze II. Please contact Tremco illbruck Technical Service for detailed information about compatibility testing prior to commencement of any works.

Method of Application

• Tremco SG200 Proglaze II utilises meter/ mix dispensing equipment. Curing agent hose should be PTFE lined to reduce moisture permeation.
• Components A and B must be used immediately once the drum/pail have been opened and mixed, air-bubble free, in homogenous final paste with the given mix ratio.

Surface Preparation

• Joint interfaces must be clean, dry and free from any foreign matter contamination or finger prints prior to sealant application.
• Metal, glass and other non-porous surfaces should be prepared with a solvent dampened clean, lint free cloth, followed immediately by a dry wipe with a clean, lint free cloth before the solvent evaporates (i.e. 2 cloth cleaning method).

Priming

• Some substrates with special surface characteristics, finishes, or coatings may require a primer to optimise adhesion performance.
• Primer use is defined for each structural glazing project based on laboratory testing performed by Tremco illbruck on sample substrates supplied by the customer. Please contact our Technical Service.

Joint Filling

It must be applied until saturation to ensure the perfect adhesion of the bonding sealant.

Tooling of silicone sealant must be done within the open time.

Handling of Units

Handling of frames or units with freshly applied material is possible up to one hour after application. After this, units or frames must not be moved for at least 24 hours. Stacking of units is not permitted! On-site installation should be carried out no sooner than 2 to 3 days after fabrication. Results from FPC and adhesion testing must be reviewed before installation.

Cleaning of Equipment and Tools

• Tools should be cleaned immediately after use with IPA or MIBK. Immediately remove all excess sealant on the bonded frame (use recommended cleaning agents. You may use a masking tape to limit this operation). Cured sealant can only be removed by abrasion.
• When not being used, it is recommended that the dispensing equipment either be purged with part A only, or flushed with a suitable solvent such as Tremco SG080 Prosysolve Si. If cured sealant builds up inside the equipment, it is recommended to flush the equipment for the appropriate time with Tremco SG080. If this treatment fails to remove the cured sealant, further maintenance or replacement of contaminated parts may be necessary.

Quality

Proper Factory Production Control (FPC) is essential for quality of the production process and to ensure secure application. Following this procedure is one of the preconditions for obtaining a Tremco illbruck Structural Sealant User certificate. Please contact Tremco illbruck for detailed information and training in FPC.

Health and Safety Precautions

The Material Safety Data Sheet (available upon request) must be read and understood prior to use.

Service

Tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on +33 (0)9 71 00 18 45.

FM01764

A company approved to ISO 9001:2008 and ISO 14001:2004

Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco illbruck written instructions and (b) in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. Tremco illbruck reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement. A written warranty is issued on a project basis when all steps or required processes including adhesion and compatibility tests, joint design, details review, production audit and FPC documentation are in place. For detailed information please contact tremco illbruck Technical Service.