



JS562

2-Part, High Modulus Silicone Sealant for IG Manufacturing - Standard Grade

DESCRIPTION

Tremco JS562 is a high modulus, two- component, elastomeric, neutral curing silicone sealant specifically developed for in-plant insulated glass (IG) unit manufacturing especially in structural glazing applications.

BASIC USES

Secondary sealant for standard and gas filled IG units, to be used in combination with PIB primary sealants (JS680, JS880).

FEATURES & BENEFITS

- Ideal for IG unit manufacturing in SSG applications
- Wide mix ratio tolerance for easier manufacturing process
- Excellent adhesion to most common glazing substrates
- Outstanding resistance to UV exposure, ozone and extreme temperatures
- Fast cure independent of joint depth
- Non-corrosive and odourless cure
- Dual-seal IG units made using Tremco JS562 can pass EN1279 if properly constructed
- Complies with ETAG 002 part 1

PACKAGING

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

COLOUR

Part A base: Beige
Part B curative: Black
Final mix: Anthracite

LIMITATIONS

- Relative humidity during application process should not exceed 80%

- The sealant cannot be used for structural bonding between glass or IG unit and metal frame. For this application use Tremco SG200 Proglaze II.
- The product is not designed for permanent water immersion and all detailed design must be done with this in mind.

STORAGE

Store in original unopened packaging, in dry shaded conditions between +5°C and +25°C

DIRECTIONS FOR USE

Joint Design Considerations

Joint design for standard IG units in traditional glazing should follow EN1279. Recommendation for SSG applications is given by ETAG 002 calculations and verified by Tremco CPG on a project basis.

Compatibility

Any glazing, weather sealing or structural bonding sealant as well as any other material such a gasket or setting profile coming into contact with, or in close proximity to the edge of the IG unit, must be compatible with Tremco JS562. Please contact Tremco CPG APC Technical Service for detailed information about compatibility.

Surface Preparation

- To obtain good adhesion, the surface must be thoroughly cleaned with a mild non-sudsing, non-film forming detergent and flushed with clean hot water to remove all traces of detergent.
- The glass surface must be dry and free of any contamination or fingerprints.
- Soft coated low E glass should be edge deleted in advance.
- Metallic or plastic spacers or inserted U-clip profiles must be cleaned and free from any contamination or fingerprints. Recommended cleaning agents are MEK or IPA.

Priming

Standard float glass surfaces do not require any treatment with primer. For special glasses, metallic or plastic spacers or inserted U-profiles, please contact Tremco CPG APAC Technical Service for primer definition and adhesion verification.

Method of Application

- Tremco JS562 utilises meter/ mix dispensing equipment. Curing agent hose should be PTFE lined to reduce moisture permeation through the walls.
- Components A and B must be used immediately once the drum/pail have been opened and blended, air-bubble free, in homogenous final paste with the given mix ratio.
- Proper Factory Production Control (FPC) is essential for quality control of the production process and to ensure secure application. Following this procedure is one precondition for obtaining a quality production certificate and consequently a written warranty on a particular project. Please contact Tremco CPG APAC for detailed information and training in FPC.
- Tooling of silicone sealant must be done within the snap time.

CLEANING OF EQUIPMENT

- Tools should be cleaned immediately after use with IPA or MEK. Immediately remove all excess sealant and smear adjacent to the joint (use recommended cleaning agents or masking tape where appropriate). Cured sealant can only be removed by abrasion.
- When not being used, it is recommended that the dispensing equipment either be purged with the uncatalysed base, 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.

WARRANTY

Tremco CPG APAC products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG APAC written instructions and (b) in any application recommended by Tremco CPG APAC, 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 CPG APAC reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

PROPERTY	TEST METHOD	RESULT	
		PART A BASE	PART B CURATIVE
Composition		Two component neutral silicone	
Specific Gravity		1.33 g/cm ³	1.38 g/cm ³
		1.34 g/cm ³	
Snap Time at 23°C 50% RH		30 to 60 min	
Tack Free Time at 23°C, 50% RH		approx. 80 min	
Mixing Ratio by Weight		10,68	1
Mixing Ratio by Volume (rounded values)		11	1
Permissible Mixing Tolerance (Weight)		Min 8.7 Max 11.7	Min 1 Max 1
Hardness (Shore A)	EN ISO 868	Approx. 35	
Ultimate Tensile Strength	EN ISO 8339	> 1.0 MPa	
Designed Dynamic Tensile Strength	ETAG 002	140,000 Pa	
Designed static shear strength	ETAG 002	7,000 Pa	
Elastic Modulus in Tension at 12.5% Elongation K _{12.5}	EN ISO 8339	> 1.4 MPa	
Elongation at Break	EN ISO 8339	> 200%	
Elastic Recovery at 25%	EN ISO 7389	> 95%	
Sag/Boeing Jig	ASTM D-2202	0 mm	
Recommended Application Temperature		+15°C to +35°C	
Temperature Resistance		-40°C to +150°C	
Shelf Life		12 months	9 months

To find your local office address and contact details, visit

www.tremcocpg-asiapacific.com

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