JS562 HD

2-COMPONENT SILICONE IG SEALANT – STANDARD

TREMCO
Lasting Performance

KEY BENEFITS SUMMARY

- Application for SSG systems and all gas-filled IG untis subject to UV exposure

- Excellent resistance to weathering, UV radiation and ageing

- Uniform curing process throughout the mixed product, independent of air humidity

- Good tooling and low sagging behavior during processing

- Increased mechanical stress resistance at low elongation

- High Shore A hardness combined with high elastic recovery

- Compatible with primary sealants JS680, JS880 and JS780 S

PRODUCT INFORMATION

Description

JS562HD Standard is a 2-component, non-sagging, neutral silicone adhesive and sealant, with a mixing ratio of 10:1 specifically developed for gas-filled IG-unit manufacturing especially to be used in structural glazing applications.

Areas of use

JS562HD Standard is used as secondary sealant for gas-filled IG units, to be used in combination with PIB primary sealants. The sealant cannot be used for structural glazing of glass units onto the metal frame. SG200 is the recommended product for that application.

Packaging

- Part A: 190l drums

- Part B: 17l metal pails

Additional delivery forms on request.

Storage

In dry conditions between +5°C and +25°C.

Shelf life

- Component A and B in unopened packaging: 9 months after the date of production

Application

- JS562HD Standard 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.

- Tooling of silicone sealant must be done within the snap time.

- 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

- To obtain good adhesion, the surface must be thoroughly cleaned with a mild non-abrasive, 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 (to be used with JS562HD Standard only when discontinuous) must be cleaned and free from any contamination or finger prints. Recommended cleaning agents are MIBK or IPA.

Compliance and Approvals

- JS562HD Standard complies with EN1279 and ETAG 002 requirements.

- It is listed in the database of CEKAL.

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

Service

Any glazing, weather sealing or structural bonding sealant as well as any other material such a gasket or setting blocks coming into contact with, or in close proximity to the edge of the IG unit, must be compatible with TREMCO JS562HD Standard. Please contact tremco illbruck Technical Service for detailed information about compatibility testing prior to commencement of any work.

Our team of technicians remains at your disposal for any further information.

CPG Construction Products Group Europe

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TECHNICAL DATA

CHARACTERISTICS	STANDARDS	VALUES	
		PART A	PART B
Sealat Type		Two-component neutral silicone	
Colour		Off white	Black
Mixing Color		Black	
Density*		1.38 g/cm³	1.38 g/cm³
		1.38 g/cm³	
Process Viscosity [1]		non-sagging	
Open Time [1]*		approximately 50 min.	
Tack-free Time [1]*		approximately 70 min.	
Ratio by weight		10	1
Ratio by volume		10	1
Tolerance ratio (in volume)		Min: 9.25	Min: 1
		Max: 10.75	Max: 1
Hardness Shore A*	EN ISO 868	48-55	
Water vapor transmission rate (film 2mm)*	EN 1279/4D	16.4 gr/(m² .24h.2mm)	
Gas Permeability*	EN 1279/4D	28,4 g(m2.24h.2mm)	
Tensile strength	DIN 53504	2.5 MPa	
	ETAG 002	1.1 MPa	
Design tensile stress*	ETAG 002	0.14 MPa	
Elongation at break	DIN 53504	150 %	
	ETAG 002	50 %	
Elastic recovery at 25%	EN ISO 7389	>95%	
Volatile content*	EN 1279/4H	0.8±0.05 % (in weight)	
Flow/Boeing jig*	ASTM D-2202	0 mm	
Recommended application temperature		+5°C to +40°C	
Service Temperature range		-40°C to +150°C	

[1] At 23°C, 50% relative humadity
* Typical values
At lower or higher temperatures, the cross-linking time and rate may vary. Please contact us for further information if your application is outside the recommended temperature range.

Safety Precautions

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 tremco illbruck quality production certificate and consequently a written warranty on a particular project. Please contact tremco illbruck for detailed information and training in FPC.

Product Health & Safety Data Sheet must be read and understood before use.

Note

The information in this document is provided for informational purposes and are nonbinding. Technical data are not expressly warranted characteristics of the goods. Because the variety of material used, the variety of application processes and the variety of conditions of use are beyond our control, preliminary tests are strongly recommended before any order. The information and illustrations being reproduced on this document are based on features in progress and on our experience at the time of August 2020.

The manufacturer reserves the right of modifying the technical characteristics of ist products at any time. The warranty policy of these products is exclusively governed by our general Terms and Conditions of sales. tremco illbruck can not be held liable based on the General information given by this document.

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