

JS562

2PT SILICONE SEALANT – BLACK

TREMCO
Lasting Performance



KEY BENEFITS SUMMARY

- Neutral sealant with no strong odor
- Excellent adhesion to glass, aluminium and galvanized steel
- Excellent resistance to natural ageing
- Part B is non abrasive
- Compatible with PIB primary sealants JS680 and JS880
- Application of insulating glass for SSG systems and all insulating glass subject to (direct or indirect) ultraviolet exposure
- High thixotropic behavior (no slump)
- Adjustable working time

PRODUCT INFORMATION

Description

JS562 Black is a high modulus, two-component, elastomeric, neutral curing silicone sealant specifically developed for in-plant IG unit manufacturing.

Areas of use

JS562 Black has been designed for the manufacturing of IG units and is used together with PIB primary sealant such as JS680 or JS880.

JS562 Black cannot be used for structural glazing applications.

Packaging

- Part A: 190 L drum or 19 L drum
- Part B: 18 L pail

Storage

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

Shelf life

- Part A in original unopened packaging: 12 months
- Part B in original unopened packaging: 9 months

Implementation

- Parts A and B must be used as soon as the packages are opened.
- Compliance with implementation conditions: users must ensure compliance with the recommendations of inspection bodies or with our recommendations.
- JS562 Black is compatible with all types of manual and robotic dispensing equipment currently available.
- In Part B, we recommend using a circuit lined with PTFE to minimize moisture penetration.
- After application, there should be no air entrapped between JS562 Black and the primary sealant.
- Make sure there are no air bubbles in the corners.
- JS562 Black, after mixing, must be homogeneous.

- Glass must be perfectly clean, with no traces of detergent or any other pollution.
- Spacers must be clean, dry and free from any other matter.

Cleaning

- For the cleaning, refer to the recommendations of the machines manufacturer.

Compliance and Approvals

- JS562 Black has been tested on IG units type 4/12/4 assembled according to the double barrier process.
- JS562 Black is part of IG units that comply with EN 1279-2.
- It is characterized following EN 1279-4 and EN 1279-6.
- JS562 Black complies with the guide EOTA ETAG 002 according to the record CEBTP N°BEB6-A-0017/1 GB.

Safety precautions

The Technical and Safety Data Sheets must be read and understood before use.

Service

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

TECHNICAL DATA

| CHARACTERISTICS | STANDARDS | VALUES | |
|---|---------------------|----------------------------------|--------------|
| | | PART A | PART B |
| Sealant type | | Two-component neutral silicone | |
| Color | | Beige | Black |
| Mixing color | | Black | |
| Density* | | 1.33 | 1.05 |
| | | 1.31 | |
| Viscosity ¹⁾ | Bookfield rheometer | 550-950 Pa.s | 400-800 Pa.s |
| Working time ^{1)*} | | 30 to 60 minutes | |
| Tack-free time ^{1)*} | | 80 minutes | |
| Alarm setting: working time* | | 15 minutes | |
| Ratio by weight | | 13 | 1 |
| Ratio by volume | | 10 | 1 |
| Tolerance ratio (in weight) | | Min: 11.0 | Min: 1 |
| | | Max: 14.0 | Max: 1 |
| Hardness Shore A* | EN ISO 868 | 35 | |
| Water vapor transmission rate (film 2mm)* | EN 1279/4 | 14.4 g/(m ² .24h.2mm) | |
| Gas permeability* | EN1279/4 | 1.22 g/(m ² .h.2mm) | |
| Tensile strength at break | EN ISO 8339 | >1.0 MPa | |
| Design tensile stress* | ETAG 002 | 0.14 MPa | |
| Design shear stress under permanent load* | ETAG 002 | 0.007 MPa | |
| Elongation at break | EN ISO 8339 | >200 % | |
| Elastic recovery at 25% | EN ISO 7389 | >95% | |
| Volatile content* | EN 1279/6 | 0.69% | |
| Flow/Boeing Jig* | ASTM D-2202 | 0 mm | |
| Recommended application temperature | | +15°C to +35°C | |
| Service temperature range | | -40°C to +150°C | |

¹⁾ At 23°C, 50% relative humidity

* 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.

Note

The information in this document is provided for informational purposes and are non-binding. 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 May 2015.

The manufacturer reserves the right of modifying the technical characteristics of its 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.

