Soudal Trade Glass and Glazing Silicone

Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 10 min
Curing speed * (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	Ca. 25 ± 5 Shore A
Density**	Ca. 1,00 g/ml (transp) Ca. 1,26 g/ml (colours)
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion	25 %
Max. tension (ISO 37)**	Ca. 1,35 N/mm²
Elasticity modulus 100% (ISO 37)**	Ca. 0,40 N/mm²
Elongation at break (ISO 37)**	> 500 %
Temperature resistance**	-60 °C → 150 °C
Application temperature	5 °C → 35 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

Soudal Trade Glass and Glazing Silicone is a high-quality, neutral, elastic one-component silicone based joint sealant.

Properties

- Very easy to apply
- Colourfast and UV resistant
- Permanently elastic after curing
- Very good adhesion on many materials
- Low modulus
- Neutral curing
- Low odour
- Impervious to mould
- Not paintable

Applications

- All usual construction and glazing joints.
- Building- and construction joints.
- Top sealing in glazing.

Packaging

Colour: transparent, matt grey, lightgrey, black
Packaging: 300 ml cartridge

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Substrates

Substrates: all usual building substrates, glass, aluminium, wood, staal ST1403, plastics, concrete, brick, ceramic tiles
Nature: rigid, clean, dry, free of dust and grease.
Surface preparation: Porous surfaces should be primed with Primer 150. All smooth surfaces can be treated with Soudal Surface Activator.
There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion test on any substrate. Not suitable for continuous underwater use. Given the wide variety of coatings on substrates, a preliminary adhesion test is always required. When glazing: clean frame and glass surfaces that come into contact with sealant.

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Compatibility with glass
Soudal Trade Glass and Glazing Silicone is not suitable for contact with secondary sealant of insulating glass units. Not appropriate for applications in direct contact with PVB film in laminated glass, we recommend to use Silirub 2 instead.

Joint dimensions
Min. width for joints: 5 mm
Max. width for joints: 30 mm
Min. depth for joints: 5 mm
Glazing applications: top sealing = min. width 4 mm, depth at least 6 mm. Min. width for connection joints around windows: 10 mm. Expansion joints: joint width 5-10mm: joint depth 5mm. Joint width 10-30mm: depth=1/2 * width. Recommended joint configuration for connection joints and joints subjected to shear: depth = width (min 5 mm).

Application method
Avoid that soapy solution comes between the joint edges and sealant (to prevent adhesion loss).
Application method: With manual- or pneumatic caulking gun.
Cleaning: Clean with White Spirit or Soudal Surface Cleaner immediately after use (before curing).
Finishing: With a soapy solution or Soudal Finishing Solution before skinning.
Repair: With the same material

Health- and Safety Recommendations
Take the usual labour hygiene into account. Consult the packaging label for more information.

Remarks
- Do not use on natural stones like marble, granite,...(staining). Use Soudal Silirub MA or Silirub+ S8800 for this application.
- Given the great diversity in available paints it is recommended to do a compatibility test prior to application.
- Direct contact with the secondary sealing of insulating glass units (insulation) and the PVB-film of safety glass must be avoided.
- Not suitable for bonding mirrors. Use Soudal Soudaseal Mirror for this type of application.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

Environmental clauses
Leed regulation:
Soudal Trade Glass and Glazing Silicone conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.