

Soudal Roof and Gutter Silicone

Revision: 19/01/2018

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Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 10 min
Curing speed * (20°C / 65% 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 (DIN 53504)	Ca. 1,35 N/mm ²
Elasticity modulus 100% (DIN 53504)	Ca. 0,40 N/mm ²
Elongation at break (DIN 53504)	> 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.

Product description

Soudal Roof and Gutter Silicone is a high-quality, neutral, elastic one-component silicone based joint sealant.

Shelf life

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

Properties

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

Substrates

Substrates: all usual building substrates, glass, aluminium, wood, staal ST1403, plastics, concrete, brick, ceramic tiles

Nature: clean, dry, free of dust and grease.

Surface preparation: Porous surfaces in water loaded applications 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.

Applications

- To seal horizontal and vertical joints in wall and roof connections.
- Sealing between metal components.
- Repairing and renovation of roofs and gutters.
- Connection and expansion joints at roof works.

Packaging

Colour: transparent, grey

Packaging: 300 ml cartridge

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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Compatibility with glass

Soudal Roof and Gutter 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.

Standards and certificates

- Australia: Watermark Level 1 certificate Nr. 23300 (details see report)

Environmental clauses**Leed regulation:**

Soudal Roof and Gutter 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.

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