

SILIRUB 989

Revision: 1/04/2024

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Technical Data

Basis	Polysiloxane
Consistency	Stable paste
Curing System	Moisture curing
Specific Gravity (g/ml)	Ca. 1.47 ± 0.05
Skin formation time (23 °C/50% R.H) (min)*	10 - 15
Curing speed (20 °C/65% R.H) (mm /24h)*	Ca. 3
Hardness, Shore A, Points (ISO 868)**	35±5
Elongation at Break (%) (ISO 37)**	≤500
Tensile Strength (N/mm ²) (ISO 37)**	≤1.8
Maximum allowed Distortion (%)	25
Elasticity Modulus 100% (N/mm ²) (ISO 37)**	≤0.95
Elastic Recovery (ISO 7389)**	>80
Temperature Resistance (°C)	-30 to +120
Application Temperature (°C)	+5 → +35

*These values may vary depending on environmental factors such as temperature, moisture and the type of substrate.

**This information relates to fully cured products.

Description:

Silirub 989 is a high performance, low odor, one-component Weatherproof joint and glazing sealant, based on neutral silicone. Silirub 989 has been specifically designed for weather sealing of joints in the façade application with high shore hardness .

- All usual building, connection, expansion and dilatation joints
- Excellent for double glazing system applications
- Excellent adhesion properties on glass, laminated glass, coated aluminium, galvanised steel, concrete and masonry

Properties:

- Long open time
- Compatible with PVB-film
- Compatible with sealants for double Glazing based on polysulphides and silicones
- Very easy to apply
- Colourfast and UV resistant
- Permanent elastic after curing
- Very good adhesion on many materials
- Corrosion free
- Resistant against UV-radiation, rain, frost, wind, ozone and extreme temperatures

Packaging:

Colour: White, Black, Grey, Clear

Packaging: 405g, 350g cartridge, 810g sausage

Applications:

- Weatherseal in curtain wall applications

Shelf Life and Storage:

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

Health and Safety Recommendations:

Take the usual labour hygiene into account.

Consult the packaging label for more information.

Substrates:

Substrates: all usual building substrates

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

Surface preparation: Porous surfaces in water loaded applications should be primed with Primer 150. No primer needed for non-porous substrates.

There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary compatibility test.

Due to the wide variety materials used in façade technology a preliminary compatibility test is necessary.

Remark: 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. In every case it is recommended to carry out preliminary experiments.

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Glazing and window applications:

top sealing = minimum width 4 mm, depth at least 6 mm.
Minimum joint width for connection joints around windows: 10 mm.Weatherseal and other applications: joint width 5 - 10mm:
joint depth 5 mm.

Joint width 10 - 30 mm: depth = 1/2*width.

Application Method:

Method: With manual or pneumatic caulking gun

Cleaning: Clean with white spirit or Surface Cleaner immediately after use

Finishing: With a soapy solution or Soudal Finishing Solution before skinning

Repair: With the same material

Remarks:

- Not suitable for structural glazing applications.
- The use of Soudal Surface Activator is recommended in combination with powder coated aluminium.
- A total absence of UV can cause a color change of the sealant.
- In an acid environment or in a dark room, white silicone can slightly turn yellow under the influence of sunlight it will turn back to its initial colour.
- When finished with a finishing solution or soapy solution, make sure that the surfaces are not touched

by this solution This will cause the sealant not to adhere to that surface. Therefore we recommend to only dip the finishing tool in this solution.

- We strongly recommend not to apply the product in full sunlight as it will dry very fast.
- Do not use in applications where continuous water immersion is possible.
- Do not use on polycarbonate.
- Do not use on natural stones like marble, granite etc. (staining) use soudalseal 212 CS.

Standards:

- Meets ISO 11600 G 25 HM

Environmental Clauses:

Leed regulation:

Silirub 989 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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