

Silirub Color

Revision: 18/01/2018

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Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 7 min
Curing speed * (20°C / 65% R.H.)	Ca. 2 mm/24h
Hardness	22 ± 5 Shore A
Density	Ca. 1.03 g/ml
Elastic recovery (ISO 7389)	> 80 %
Maximum allowed distortion	25 %
Max. tension (DIN 53504)	Ca. 1,30 N/mm ²
Elasticity modulus 100% (DIN 53504)	Ca. 0,37 N/mm ²
Elongation at break (DIN 53504)	800 %
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

Silirub Color is a high-quality, neutral, elastic one-component silicone based joint sealant.

Properties

- Available in all RAL Classic System colours
- Very easy to apply
- Colourfast and UV resistant
- Permanently elastic after curing
- Very good adhesion on many materials
- Low modulus
- Corrosion free

Applications

- All usual building joints with high movement.
- Top sealing in glazing on aluminium, PVC and wood.
- Expansion joints between many different construction materials.
- Sealing between PVC, treated wooden and metal profiles and glass.

Packaging

Colour: RAL1013 (pearl white), RAL1015 (ivory), RAL3005 (wine red), RAL9001 (crème wit), RAL5011 (steel blue), RAL6009 (fir green), RAL7016 (anthracite grey), RAL9006 (aluminium-white), RAL7032 (pebble grey), RAL7030 (stone grey), RAL7039 (quartz grey), RAL7011 (iron grey), RAL7022 (umbra grey), RAL8014 (sepia brown), RAL3020 (traffic red), RAL6005 (moss green), RAL9007 (alu-grey), other colors on request

Packaging: 310 ml cartridge

Shelf life

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

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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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. No primer needed for non-porous substrates.

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.

Compatibility with glass

Silirub Color is not suitable for contact with secondary sealant of insulating glass units. Silirub Color is not suitable for applications in direct contact with PVB films of laminated glass, for this we recommend to use Silirub 2.

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.

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Remarks

- Do not use on natural stones like marble, granite,...(staining). Use Soudal Silirub MA or Silirub+ S8800 for this application.
- 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.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

Standards and certificates

- Complies with ISO 11600 F 25 LM
- Meets ISO 11600 G 25 LM

Environmental clauses*Leed regulation:*

Silirub Color 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.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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