

Silirub+ S8100

Revision: 24/01/2018

Page 1 from 3

Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 8 min
Curing speed * (20°C / 65% R.H.)	Ca. 2 mm/24h
Hardness	25 ± 5 Shore A
Density	1,00 g/ml
Elastic recovery (ISO 7389)	> 80 %
Maximum allowed distortion	25 %
Max. tension (DIN 53504)	1,50 N/mm ²
Elasticity modulus 100% (DIN 53504)	0,40 N/mm ²
Elongation at break (DIN 53504)	> 800 %
Temperature resistance	-60 °C → 180 °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+ S8100 is a high-quality, elastic one-component joint sealant based on silicones

Properties

- Very easy to apply
- Very low emission, EC1 PLUS R certified
- MEKO free
- No filamento - can be shaped and finished very well
- Food safe according to FDA regulations code CFR 21 § 177.2600 (e)
- Colourfast and UV resistant
- Weatherproof
- Permanently elastic after curing
- Corrosion free
- Low modulus
- Excellent adhesion on glass, ceramic, enamel and galvanised metals
- Impervious to mould, contains ZnP (biocide with fungicidal action)
- 25% maximum allowed distortion
- Solvent, halogen, acid and isocyanate free.
- Resistant against usual household cleaners and disinfectants

Applications

- Permanent elastic sealing in bathroom, kitchen, air conditioning and ventilation systems.
- Connection joints between wall and bath tubs or shower bases.
- Joints in building products from aluminum and finished materials.

Packaging

Colour: transparent, white
Packaging: 310 ml cartridge

Shelf life

12 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.

Silirub+ S8100

Revision: 24/01/2018

Page 2 from 3

Substrates

Substrates: all usual building substrates, ceramic tiles, aluminium, metals, enamel, glass, ...

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.

While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion test on any substrate.

Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2 x joint depth.

Application method

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

- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion.
- Do not use on natural stone such as marble, granite, ... (staining). Use for this application Silirub + S8800.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remainings will stimulate the development of fungi.
- 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. Use Silirub PC instead.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

Standards and certificates

- ISO 11600 F 25LM
- ISO 11600 G 25LM
- Food Label FDA - Report IANESCO E17-38186

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Silirub+ S8100

Revision: 24/01/2018

Page 3 from 3

Environmental clauses

Leed regulation:

Silirub+ S8100 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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