Silirub+ S7000

Technical data

Basis	Polysiloxane
Consistancy	Stable paste
Curing system	Moisture curing
Skin formation	10 min → 15 min
Curing speed * (20°C / 65% R.H.)	Ca. 2 mm/24h
Hardness	17 ± 5 Shore A
Density	1,03 g/ml
Elastic recovery (ISO 7389)	> 90 %
Maximum allowed distortion	25 %
Max. tension (DIN 53504)	2,60 N/mm²
Elasticity modulus 100% (DIN 53504)	0,30 N/mm²
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+ S7000 is a high-quality elastic, acetic curing, one-component joint sealant based on silicones.

Properties
- Very easy to apply
- Very low emmission, EC1 PLUS R certified
- No filamenting - can be shaped and finished very well
- Typical acetic smell
- Colourfast and UV resistant
- Weatherproof
- Permanently elastic after curing
- Impervious to mould
- Excellent adhesion on glass, ceramic, enamel and galvanised metals
- 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, old white, grey, black, basalt grey, silver grey, joint grey, lightgrey, bright grey, stonegrey, manhattan, sanitary grey, anthracite, jasmine, dust grey, medium grey, pergamon, anemone, caramel, morning grey, transparent-grey, RAL9010 (white)
Packaging: 310 ml cartridge, 400ml foil bag

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

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Substrates
Substrates: all usual building substrates, Galvanised metals, ceramic tiles, aluminium, 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.
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
- Because of the acid nature, certain metals (eg copper, lead) can be affected.
- Do not use on natural stone such as marble, granite, ... (staining). Use for this application Silirub + S8800.
- 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.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remainigs will stimulate the development of fungi.
- Direct contact with the secondary sealing of insulating glass units (insulation) and the PVB-film of safety glass must be avoided.
- 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
- Complies to DIN 18545 - 2

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Environmental clauses

Leed regulation:

Silirub+ S7000 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.