

Silirub 1 Universal

Revision: 7/05/2020

Page 1 from 2

Technical data

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| Basis | Polysiloxane |
| Consistency | Stable paste |
| Curing system | Moisture curing |
| Skin formation* (23°C/50% R.H.) | Ca. 15 min |
| Curing speed * (23°C/50% R.H.) | Ca. 2 mm/24h |
| Hardness** | Ca. 20 ± 5 Shore A |
| Density** | Ca. 1.03 g/ml |
| Elastic recovery (ISO 7389)** | > 80 % |
| Maximum allowed distortion | 25 % |
| Max. tension (ISO 37)** | 1,20 N/mm ² |
| Elasticity modulus 100% (ISO 37)** | 0,30 N/mm ² |
| Elongation at break (ISO 37)** | > 700 % |
| 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. ** This information relates to fully cured product.

Product description

Silirub 1 Universal is a high-quality, neutral, elastic one-component silicone based joint sealant.

Packaging

Colour: transparent, brilliant white
Packaging: 300 ml cartridge

Properties

- Long open time
- Excellent moisture resistance
- Impervious to mould
- Very easy to apply
- Colourfast and UV resistant
- Permanently elastic after curing
- Typical acetic smell

Shelf life

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

Substrates

Substrates: all usual building substrates, ceramic tiles, aluminium, enamel, stainless steel, glass, ... no pvc

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

Surface preparation: Porous surfaces 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.

Applications

- Building- and construction joints, especially in sanitary and humid places.
- For sealing of joints in sanitary and other moist rooms between e.g.. showers, bathtubs and (tiled) walls, between walls and washbasins, between floors and toilet.
- Top sealing in glazing.
- Joints in building products from aluminum and finished materials.
- Sealing in airconditioning systems.

Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

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 1 Universal

Revision: 7/05/2020

Page 2 from 2

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 stones like marble, granite,...(staining). Use Soudal Silirub MA or Silirub+ S8800 for this application.
- Do not use on polycarbonate. Use Silirub PC instead.
- 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, a white sealant can slightly turn yellow. Under the influence of sunlight it will turn back to its initial colour.
- We strongly recommend not to apply the Finishing Solution in full sunlight as it will dry very fast in these circumstances.
- 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.
- Do not use in applications where continuous water immersion is possible.

- 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 aquariums.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

Environmental clauses*Leed regulation:*

Silirub 1 Universal 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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