

## Silirub NO5-HE

Revision: 11/08/2020

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### Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 9 min
Curing speed * (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	20 ± 5 Shore A
Density**	Ca. 1,30 g/ml
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion (ISO 11600)	25 %
Max. tension (ISO 37)**	1,45 N/mm <sup>2</sup>
Elasticity modulus 100% (ISO 37)**	0,30 N/mm <sup>2</sup>
Elongation at break (ISO 37)**	> 800 %
Temperature resistance**	-40 °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. \*\* This information relates to fully cured product.

### Product description

Silirub NO5-HE is a high performance, low odor, one-component joint and glazing sealants, based on neutral silicone.

### Properties

- Very easy to apply
- Colourfast and UV resistant
- Permanently elastic after curing
- Very good adhesion on many materials
- Low odour
- Slow skinning time
- MEKO free

### Applications

- All usual building joints with high movement.
- Glazing and joint works.
- Expansion joints between many different construction materials.

### Packaging

Colour: black

Packaging: 300 ml cartridge, 600 ml foil bag

### Shelf life

18 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

*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. This is highly recommended on PVC and other plastics.

### 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.

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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*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

- Do not use on natural stones like marble, granite,...(staining). Use Soudal Silirub MA or Silirub+ S8800 for this application.
- Not suitable for bonding mirrors. Use Soudal Soudaseal Mirror for this type of application.
- Direct contact with the secondary sealing of insulating glass units (insulation) and the PVB-film of safety glass must be avoided.
- Given the great diversity of possible surfaces, it is recommended to perform an adhesion test on both substrates prior to application.
- 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.
- 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 Finishing Solution in full sunlight as it will dry very fast in these circumstances.
- 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 NO5-HE 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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