

Silirub NO5-HE

Revision: 2/03/2016

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Technical data

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| Basis | Polysiloxane |
| Consistency | Stable paste |
| Curing system | Moisture curing |
| Skin formation* (20°C / 65% R.H.) | Ca. 12 min |
| Curing speed * (20°C / 65% R.H.) | Ca. 2 mm/24h |
| Hardness | 30 ± 5 Shore A |
| Density | Ca. 1,30 g/ml |
| Elastic recovery (ISO 7389) | > 80 % |
| Maximum allowed distortion | 25 % |
| Temperature resistance | -40 °C → 150 °C |
| Max. tension (DIN 53504) | 1,30 N/mm ² |
| Elasticity modulus 100% (DIN 53504) | 0,50 N/mm ² |
| Elongation at break (DIN 53504) | > 700 % |
| 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 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

Applications

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

Packaging

Colour: black

Packaging: 300 ml cartridge, 600 ml sausage

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: 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 compatibility test. 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.

Cleaning: Clean with white spirit or Surface Cleaner immediately after use.

Finishing: With a soapy solution or Soudal Finishing Solution before skinning.

Repair: With the same material

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 beyond our control, no liability under this publication are 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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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 do an adhesion test prior to application.
- 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.

Environmental clauses

Lead 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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