

Silirub Pro N

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Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 10 min
Curing speed * (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	16 ± 5 Shore A
Density	Ca. 1,00 g/ml (transp, brilliant white) Ca. 1,20 g/ml (colours)
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion	25 %
Max. tension (ISO 37)**	Ca. 1,35 N/mm ²
Elasticity modulus 100% (ISO 37)**	Ca. 0,32 N/mm ²
Elongation at break (ISO 37)**	> 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. ** This information relates to fully cured product.

Product description

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

Properties

- Excellent moisture resistance
- UV-resistant
- Impervious to mould, contains biocide with fungicidal action
- Very easy to apply
- Permanently elastic after curing
- Very good adhesion on many materials
- Neutral curing
- Very good resistance to ageing
- IFT certified
- RAL certified
- MEKO free

Applications

- Glazing and joint works.
- Sealing between PVC, treated wooden and metal profiles and glass.
- Joints in sanitary rooms (on synthetic baths and tubs) and kitchens.
- Top sealing in glazing.
- Sealing in cold store rooms and container construction.

- Sealing in airconditioning systems.

Packaging

Colour: white, anthracite, concrete grey, brown, oak, grey, light brown, manhattan, medium grey, black, dust grey, transparent, transparent-grey, silver grey, other colors on request

Packaging: 300 ml cartridge, 400 ml sausage, 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, ceramic tiles, enamel, stainless steel, acrylic baths, glass, corian, ...

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

Surface preparation: Porous surfaces should be primed with Primer 150. Prepare non-porous surfaces with a Soudal activator or cleaner (see Technical Data Sheet).

There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We

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recommend a preliminary adhesion and compatibility test on every surface.

Compatibility with glass

Tests carried out in our laboratories show that Silirub Pro N is compatible with most edge seals of insulating double glazing and conventional PVB films. External testing at TÜV Rheinland have shown no visual defects or no other inconsistencies that were found between the secondary seal or PVB film and Silirub Pro N after exposure to high temperature and humidity (Report No. 12490R-a-89202273). Due to the large number of edge sealing systems on the market, it is impossible to test the compatibility of all combinations with glazing sealants. We recommend a compatibility test for both double glass systems and laminated glass systems.

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 label and material safety data sheet for more information.

Dangerous. Respect the precautions for use.

Remarks

- 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 sealant can slightly turn yellow. Under the influence of sunlight it can 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.
- Do not use in applications where continuous water immersion is possible.
- Not suitable for bonding aquariums.
- Silirub Pro N has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- 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.

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Standards and certificates

- Conform to ISO 11600 F+G 25LM
- Declaration of compliance ISEGA - Tested for use in foodstuffs-related area.
- IFT certified according to QM360
- RAL certified according to RAL-GZ 711
- IFT certificate available for sound insulation of sealants in joints.

Environmental clauses

Leed regulation:

Silirub Pro N 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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