

## Silirub P2 (colours)

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### Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation	10 to 15 min (at 20°C/65% R.H.)
Curing speed * (20°C / 65% R.H.)	Ca. 2 mm/24h
Hardness	30 ± 5 Shore A
Density	1,12 g/ml
Elastic recovery (ISO 7389)	> 80 %
Maximum allowed distortion	± 20 %
Temperature resistance	-60 °C → 180 °C
Max. tension (DIN 53504)	1,20 N/mm <sup>2</sup>
Elasticity modulus 100% (DIN 53504)	0,73 N/mm <sup>2</sup>
Elongation at break (DIN 53504)	300 %
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 P2 (colours) is a high performance, low odor, one-component joint and glazing sealants, based on neutral silicone. Silirub P2 (colours) is limited paintable with many low solvent and water based wood paints.

### Properties

- Very easy to apply
- Colourfast and UV resistant
- Dry toolable
- Permanent elastic after curing
- No odour
- Compatible with many low-solvent and water based wood paints (lacquers).

### Applications

- Top sealing when installing insulating and laminated glass (see also paragraph compatibility with glass) according to NPR3577.
- For burglar-proof glazing.
- For sealing of all kinds of joints in balustrades, balconies and carpentry.
- Exterior connection joints on different substrates.

### Packaging

*Colour:* RAL9001 (crème wit), RAL9010 (white), RAL7004 (grey), RAL8016 (brown), black

*Packaging:* 310 ml cartridge

### 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, glass, aluminium, wood, staal ST1403, stone, brick, plastics, ceramic tiles

*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.

Not suitable for continuous underwater use.

There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary compatibility test.

When glazing: clean frame and glass surfaces that come into contact with sealant.

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### Compatibility with glass

Silirub P2 (colours) is not suitable for contact with secondary sealant of insulating glass units. Silirub P2 (colours) is not suitable for applications in direct contact with PVB films of laminated glass, for this we recommend to use Silirub 2.

### Joint dimensions

Glazing applications and windows: top sealing = min. width 4 mm, depth at least 6 mm. Minimum joint width for connection joints around windows: 10 mm. Non-glazing applications: joint width 5-10 mm: joint depth 5 mm. Joint width 10-30 mm: depth = 1/2 \* breedte. Bonding applications: an adhesive layer of 2 - 3 mm is recommended.

### Application method

Avoid that soapy solution comes between the joint edges and sealant (to prevent adhesion loss). Sand slightly to improve the adherence. Before painting we advise to degrease the sealant.

*Application method:* With manual- or pneumatic caulking gun.

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

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

*Repair:* With the same material

### Paintability

- Only paint after full cure of the sealant.
- For the best results, we recommend to paint the sealant within a few days after curing.
- Before painting we recommend to degrease the sealant. Definitely recommended if the kit was finished with soapy water.
- Slightly grinding the sealant can improve the adhesion.
- In general wood paints give good coverage without stripes or craters. Given the wide variety of wood paints a preliminary compatibility test is recommended.

- With low solvent alkyd paints, drying of paint can be slower than usual. The adhesion of alkyd based paints can only be evaluated after 3 to 4 weeks when the paint is fully dried.
- Depending on the composition of the paint, the drying of the paint can be influenced.
- Silirub P2 (colours) is not designed to be overpainted with water based façade and wall paints.
- With waterbased interior paints with limited joint movement, we recommend the use of an acrylic sealant.
- In general, silicones are less paintable than hybrid polymers. For the best results on paintability we refer to Glaskit TS.

### Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label for more information.

### Remarks

- Joints with limited joint movement (max 5%) can be overpainted completely.
- For maintenance, do not use sharp objects, be careful with sharp edges of window wipers.
- The Dutch Sealant Association emphasizes that painting a glazing sealant is not technically required for the sealant and the glazing job. It is an aesthetic choice of the contractor or painter. Compatibility of the paint with the sealant and the difference in elasticity (paint less than 5% and sealant up to 25%) can have an effect on the durability. A test can clarify this.
- The conditions and preliminary treatments during sealing and painting are very important, same as temperature, moisture content of the wood, humidity and type of tooling agent.
- Do not use on natural stones like marble, granite,...(staining). Use Soudal Silirub MA or Silirub+ S8800 for this application.

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- 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 or Silirub AL instead.

### Environmental clauses

#### *Leed regulation:*

Silirub P2 (colours) 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. She 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 and paintable with the paint used.

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