

Silirub Color

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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. 1.01 g/ml
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion	25 %
Max. tension (ISO 37)**	Ca. 1,00 N/mm ²
Elasticity modulus 100% (ISO 37)**	Ca. 0,24 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 Color is a high-quality, neutral, elastic one-component silicone based joint sealant.

Properties

- Available in all RAL Classic System colours
- UV-resistant
- Impervious to mould, contains biocide with fungicidal action
- Very easy to apply
- Low modulus
- Neutral curing
- Permanently elastic after curing
- Very good adhesion on many materials
- Very good resistance to ageing
- Not paintable
- Not suitable for natural stone
- MEKO free

Applications

- All usual building joints with high movement.
- Top sealing in glazing on aluminium, PVC and wood.
- Expansion joints between many different construction materials.

- Sealing between PVC, treated wooden and metal profiles and glass.
- 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.
- Joints in sanitary rooms (on synthetic baths and tubs) and kitchens.

Packaging

Colour: RAL1013 (pearl white), RAL1015 (ivory), RAL3005 (wine red), RAL9001 (crème wit), RAL5011 (steel blue), RAL6009 (fir green), RAL7016 (anthracite grey), RAL9006 (aluminium-white), RAL7032 (pebble grey), RAL7030 (stone grey), RAL7039 (quartz grey), RAL7011 (iron grey), RAL7022 (umbra grey), RAL8014 (sepia brown), RAL3020 (traffic red), RAL6005 (moss green), RAL9007 (alu-grey), other colors on request

Packaging: 310 ml cartridge, other packaging on request

Shelf life

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

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Substrates

Substrates: all usual building substrates, glass, aluminium, wood, staal ST1403, plastics, concrete, brick, ceramic tiles

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

Surface preparation: Silirub Color has a good adhesion to most substrates. However, for optimal adhesion and in critical applications, such as joints exposed to extreme weather conditions, high- or water-loaded joints, we recommend to follow a pre-treatment procedure. Prepare non-porous surfaces with a Soudal activator or cleaner (see Technical Data Sheet). Porous surfaces should be primed with Primer 150.

We recommend a preliminary adhesion and compatibility test on every surface. Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass. Given the wide variety of coatings on substrates, a preliminary adhesion test is always required. When glazing: clean frame and glass surfaces that come into contact with sealant.

Compatibility with glass

Tests carried out in our laboratories show that Silirub Color is compatible with most edge seals of insulating double glazing and conventional PVB films. 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. In case of double glazing we always recommend to do a compatibility test.

Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Glazing applications: top sealing = min. width 4 mm, depth at least 6 mm. Min. width for connection joints around windows: 10 mm.

Expansion joints: joint width 5-10mm: joint depth 5mm. Joint width 10-30mm: depth=1/2 * width. Recommended joint configuration for

connection joints and joints subjected to shear: depth = width (min 5 mm).

Application method

Apply the product by means of a manual-, battery- or pneumatic- caulking gun. Apply Silirub Color evenly without air inclusions into the joint. Smoothen the joint with a spatula with the help of finishing solution. Avoid that soapy solution comes between the joint edges and sealant (to prevent adhesion loss).

Application method: With a manual, pneumatic or accu caulking gun.

Cleaning: Clean with Soudal Surface Cleaner or with Soudal Swipex, immediately after use Cured Silirub Color can only be removed mechanically.

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.
- 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.
- 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.

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

Standards and certificates

- Complies with ISO 11600 F 25 LM
- Meets ISO 11600 G 25 LM

Environmental clauses

Lead regulation:

Silirub Color 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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