4 December 2024

SILIRUB MA

Technical Data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 7 min
Curing speed* (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	Ca. 16 ± 5 Shore A
Density	Ca. 1.03 g/mL
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion (ISO 11600)	± 25 %
Max. tension (ISO 37)**	Ca. 1.50 N/mm² (MPa)
Elasticity modulus 100% (ISO 37)**	Ca. 0.30 N/mm² (MPa)
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 MA is a high-quality, neutral, and elastic one-component joint sealant developed for sealing joints on natural stone.

Properties

- Non-staining on porous surfaces such as marble, granite and other natural stones
- Very easy to apply
- UV-resistant
- Weatherproof
- Contains biocide with fungicidal action
- Permanently elastic after curing
- Very good adhesion on many materials
- Low modulus
- MEKO free

Applications

- Sealing of joints that are in contact with natural stones (marble, blue stone, granite, …) or other porous surfaces
- Sealing of joints in sanitary areas and kitchens that are in contact with natural stones.
- Expansion joints between many different construction materials.
- Top sealing in glazing.

Packaging

Colour: white, black, jasmine, marble grey
Packaging: 310 mL cartridge

Shelf life

12 months in original, unopened packaging in a cool and dry storage place with temperatures between +5°C and +25°C.

Substrates

Substrates: specially developed for use on natural stone (marble, granite, blue stone, etc.), all usual building substrates, ceramic tiles, aluminium, metals, enamel, glass, etc.
Nature: rigid, clean, dry, free of dust and grease.
Surface preparation: **Silirub MA** has 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 following a pretreatment procedure.

- Prepare non-porous surfaces with a Soudal **Surface Activator** or **Cleaner & Degreaser**.
- Prepare porous surfaces with Soudal **Primer 150**.

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Not suitable for PE, PP, PTFE (eg. Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass.

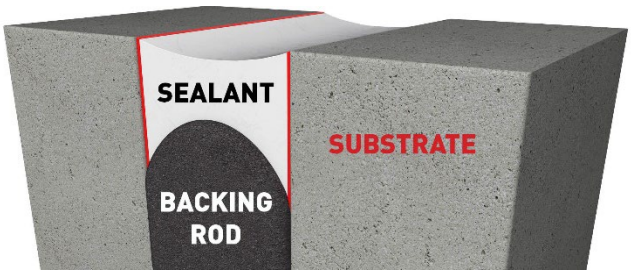
We recommend a preliminary adhesion and compatibility test on every surface.

Compatibility with glass

Tests performed in our laboratories show that **Silirub MA** is compatible with the most common primary butyl edge sealants and PVB films. Due to the large number of edge-sealing systems on the market, it is impossible to test the compatibility of each with our glazing sealants. In the case of double glazing, we always recommend doing a compatibility test.

Recommended joint dimensions

	JOINT	
	Width	***Depth***
Min	*5 mm*	*5 mm*
Max	*30 mm*	*15*
Recommendation for sealing: ½ width = depth		



Application method

Apply the product with a caulking gun. Smoothen the joint with a spatula with the help of a finishing solution. Apply **Silirub MA** evenly without air inclusions into the joint. Avoid soapy solutions to come between the joint edges and sealant (to prevent adhesion loss).
Application method: With manual- or pneumatic caulking gun.
Cleaning: Clean with Soudal Surface Cleaner or with Soudal **Swipex**, immediately after use. Cured Silirub PC 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. Use only in well-ventilated areas.

Remarks

- In some natural stone types, a hydrophobic (water-repellent) effect may occur next to the silicone joint.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remaining's will stimulate the development of fungi.
- A total absence of UV can cause a colour 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 applying, make sure not to spill any sealant on the surface of materials. Taping the surface around the joint can prevent this.
- 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 applying the Finishing Solution in full sunlight as it will dry very fast in these circumstances.
- Do not use in applications where continuous water immersion is possible.
- Do not use on polycarbonate. Use **Silirub PC** instead.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied

Standards and certificates

- Tested according to ISO 16938-1 (Testing for staining on natural stone by sealants).
- Conform to ISO 11600 F+G 25LM
- FDA code 21 §177.2600 (e)+(f): tested by IANESCO (France).

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Environmental clauses

Leed regulation:

Silirub MA 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.