Technical datasheet

Silirub MA

Product description

Silirub MA is a high quality, neutral, elastic one-component joint sealant based on silicones.

Properties

- Non staining on natural stone
- Very good adhesion on many materials
- Easy to apply
- Good UV resistance
- Impervious to mould, contains biocide with fungicidal action
- Permanently elastic after curing
- 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 which are in contact with natural stones.
- Expansion joints between many different construction materials.
- Glazing joints

Technical data

Base		Polysiloxane
Consistency		Stable paste
Curing system		Moisture curing
Skin formation		ca. 7 minutes
Curing speed		ca. 2 mm/24h
Density		ca. 1.03 g/ml
Maximum allowed joint movement		± 25 %
Elasticity modulus	ISO 37	ca. 0.30 N/mm²
Elastic recovery	ISO 7389	> 80 %
Elongation at break		ca. 800 %
Maximum tension	ISO 37	ca. 1.50 N/mm²
Hardness		16 ± 5 Shore A
Application temperature		+5°C → +35°C
Temperature resistance		-60°C → +180°C

Footnote: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Substrates

- Substrate condition
  The surface must be rigid, clean, dry, free of dust and grease.

IANESCO

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- Substrate preparation
  Silirub MA 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. Porous surfaces should be primed with Primer 150. If needed non porous surfaces can be prepared with a Soudal activator or cleaner (see Technical Data Sheet).
- Substrate types
  Silirub MA has a good adhesion to following substrates: all usual building substrates, natural stone. Silirub MA has no good adhesion or is not suitable for PE, PP, PTFE (Teflon®), bituminous substrates. We recommend a preliminary adhesion and compatibility test on every surface.

Application method

- Application method
  Apply the product with a manual, pneumatic or accu caulking gun.
- Cleaning method
  Clean with White Spirit or Soudal Surface Cleaner immediately after use (before curing).
- Finishing method
  With Finishing Solution before skinning. Avoid drying in of Silirub MA on the sealant surface or adjacent materials.
- Repair method
  Repair with the same material.

Compatibility

- Compatibility with glass
  Tests carried out in our laboratories show that the product is compatible with most edge seals of insulating double glazing and conventional PVB films. We cannot give a full guarantee though, seen the continuous modifications in these systems. We recommend a compatibility test for both double glass systems and laminated glass systems. 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.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.
Keep the area well ventilated during use and curing of the product.
Dangerous. Respect the precautions for use.

Packaging/Logistics

Colour: Please consult the product catalogue, the Soudal website or a Soudal representative.
Packaging: Please consult the product catalogue, the Soudal website or a Soudal representative.
Shelf life: 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C

Standards and certificates

- Tested according to ISO 16938-1 (Testing for staining on natural stone by sealants)
- Conform to ISO 11600 F+G 25LM
- Ianesco report for applications in food surroundings, conformity to FDA CFR 21 §177.2600 (e)

Joint dimensions

- Min. width for joints: 5 mm
  Max. width for joints: 30 mm
  Min. depth for joints: 5 mm
  Recommendation for sealing jobs: joint width = 2 x joint depth

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Environmental clausules

- 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.

Remarks

- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap residues 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 white sealant can slightly turn yellow. Under the influence of sunlight it will turn back to its initial colour.
- When applying, make sure not to spill any sealant on the surface of materials next to the joint. Using tape on the surface next to the joint can prevent this.
- When finishing with a finishing- 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.
- Not suitable for bonding aquariums.
- Do not use in applications where continuous water immersion is possible.
- Do not use on polycarbonate.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

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