

Soudasil Multi

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Technical data

Base	Polysiloxane	
Sag	No sag in vertical displ. @50°C (120°F)	ASTM C 639
Curing system	Moisture Cure	
Skin Formation (*)	5 - 10 minutes	@ 23°C (75°F) & 50% relative humidity
Tack-free time (*)	10 -20 minutes	ASTM C 679
Curing time (*)	24 hrs, 3mm (1/8") diameter bead	@ 23°C (75°F) & 50% relative humidity
Hardness – Shore A	30 +/- 5	ASTM C 661
Tensile Strength	2.40 N/mm ²	ASTM D 412
Elongation	500 %	ASTM D 412
Movement capability	+/- 25%	ASTM C 719
Stain and color change	Passes	ASTM C 510 (mortar)
Artificial weathering	No Cracking	ASTM C 793
Service temperature range	-40°C to +160°C (-40°F to +325°F)	
Application temperature range	-37°C to +60°C (-35°F to +140°F)	
Shelf life	12 months	Stored between +5°C & +25°C (41°F & 77°F)
VOC	30 g/L	

* 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

Soudasil Multi is a high quality, elastic, 1-component multipurpose sealant based on silicones.

- Sanitary applications.
- Sealing in cold store rooms and container construction.

Properties

- Very easy to apply
- Colourfast and UV resistant
- Impervious to mold
- Permanently elastic after curing
- Very good adhesion on many materials
- Typical acetic smell

Packaging

Colour: transparent, white, almond, alu, black
Packaging: 300 ml cartridge

Shelf life

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

Applications

- Building- and construction joints, especially in sanitary and humid places.
- Glazing and joint works.
- Connection joints.
- Sealing in airconditioning systems.
- Joints in bathrooms and kitchens.

Substrates

Substrates: all usual building substrates

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

Surface preparation: Porous surfaces should be primed with Primer 150. No primer needed for non-porous substrates.

There is no adhesion on PE, PP, PTFE

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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(Teflon®), concrete and bituminous substrates. We recommend a preliminary adhesion test on any substrate.

Joint dimensions

Min. width for joints: 5 mm (1/4")

Max. width for joints: 30 mm (1 3/16")

Min. depth for joints: 5 mm (1/5")

Recommendation sealing jobs: joint width = 2 x joint depth.

Application method

Application method: With a manual, pneumatic or accu 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.

Remarks

- Because of the acid nature, certain metals (eg copper, lead) can be affected.
- Do not use on natural stones like marble, granite,...(staining). Use Soudal Silirub MA or Silirub+ S8800 for this application.
- 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, a white sealant 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 Finishing Solution in full sunlight as it will dry very fast.
- Do not use on polycarbonate. Use Silirub PC instead.
- Do not use in applications where continuous water immersion is possible.
- 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.

Specifications

ASTM C 920, Type S, Grade NS, Class 25, Use NT, A, G and O**, Federal Specification TT-S- 00230C.

** See recommended substrates.

Environmental clauses

Leed regulation:

Soudasil Multi 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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