Soudasil RTV3

Technical data

Base	Polysiloxane	
Sag	No sag in vertical displ. @50°C (120ºF)	ASTM C 639
Curing system	Moisture Cure	
Skin Formation (*)	5 - 10 minutes	@ 23°C (75ºF) & 50% relative humidity
Tack-free time (*)	10 - 20 minutes	ASTM C 679
Curing time (*)	24 hrs, 3mm (1/8”) diameter bead	@ 23°C (75ºF) & 50% relative humidity
Hardness – Shore A	30 +/- 5	ASTM C 661
Tensile Yield	2.40 N/mm²	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 +200°C (-40°F to +400°F)	
Application temperature range	-37°C to +35°C (-35°F to +95°F)	
Shelf life	12 months	Stored between +5°C & +25°C (41ºF & 77ºF)
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 RTV3 is a high-quality, neutral, elastic one-component silicone based joint sealant.

Properties

Long open time
Excellent moisture resistance
Impervious to mould
Very easy to apply
Colourfast and UV resistant
Permanently elastic after curing
Typical acetic smell

Applications

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.
Top sealing in glazing.
Joints in building products from aluminum and finished materials.
Sealing in airconditioning systems.

Packaging

Colour: transparent, white, other on demand
Packaging: 300 ml cartridge

Substrates

Substrates: all usual building substrates, ceramic tiles, aluminium, enamel, stainless steel, glass, ... no pvc
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 (Teflon®) 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 manual- or 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 the packaging label 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.
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 remainigs 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.
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.
Direct contact with the secondary sealing of insulating glass units (insulation) and the PVB-film of safety glass must be avoided.
Not suitable for bonding aquariums.
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 RTV3 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.

SOUDAL

Technical Data Sheet

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