



Neutral Silicone

Product description

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

Properties

- Very good adhesion on many materials
- Easy to apply
- Permanently elastic after curing
- Good UV resistance
- Excellent moisture resistance
- Very good resistance to ageing
- MEKO free

Applications

- All usual building joints with high movement.
- Expansion joints between many different construction materials.
- Sealing in cold store rooms and container constructions.
- Glazing and joint works.

Technical data

Base		Polysiloxane
Consistency		Stable paste
Curing system		Moisture curing
Skin formation		ca. 6 minutes
Curing speed		ca. 2 mm/24h
Density		ca. 1.05 g/ml (transp.) ca. 1.16 g/ml (colour)
Maximum allowed joint movement		± 20 %
Elasticity modulus	ISO 37	ca. 0.30 N/mm ²
Elastic recovery	ISO 7389	> 80 %
Elongation at break	ISO 37	ca. 700 %
Maximum tension	ISO 37	ca. 1.35 N/mm ²
Hardness		ca. 16 ± 5 Shore A
Application temperature		+5°C → +35°C
Temperature resistance		-60°C → +120°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.



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- Substrate preparation
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
Neutral Silicone has a good adhesion to following substrates: all usual building substrates, etc.. Neutral Silicone 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.
- Repair method
Repair with the same material.

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

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
- Three-point adhesion should be avoided at all time. Too small joint dimensions can have the effect that the silicone is pulled off because of too large movements.

Environmental clauses

- Leed regulation: Neutral Silicone 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

- Do not use on natural stones like marble, granite,...(staining).
- Direct contact with the secondary sealing of insulating glass units (insulation) and the PVB-film of safety glass must be avoided.
- Because of the diversity we recommend to do adhesion tests on aluminum lackers, textured coating and PVC before application.
- 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.
- A total absence of UV can cause a color change of the sealant.
- 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.



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- We strongly recommend not to apply the Finishing Solution in full sunlight as it will dry very fast in these circumstances.
- Do not use on polycarbonate.
- Not suitable for bonding aquariums.
- Do not use in applications where continuous water immersion is possible.
- Discoloration of the product due to chemicals, high temperatures, UV-radiation may occur.
- 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 discoloration and loss of adhesion.

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. It is general in nature and does not constitute any liability. 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. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.