Construction Silicone

Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 6 min
Curing speed * (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	16 ± 5 Shore A
Density	Ca. 1.01 g/ml
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion	20 %
Max. tension (ISO 37)**	Ca. 1,05 N/mm²
Elasticity modulus 100% (ISO 37)**	0,30 N/mm²
Elongation at break (ISO 37)**	23 %
Temperature resistance**	-60 °C → 120 °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

Construction Silicone is a high quality, elastic, 1-component sealant based on silicones.

Properties

- Very easy to apply
- Colourfast and UV resistant
- Permanently elastic after curing
- Very good adhesion on many materials
- Low modulus
- Neutral curing
- MEKO free

Applications

- All usual building joints with high movement.
- Glazing and joint works.
- Expansion joints between many different construction materials.
- Sealing between PVC, treated wooden and metal profiles and glass.

Packaging

Colour: transparent, white
Packaging: 310 ml cartridge

Shelf life

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

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 (Teflon®) and bituminous substrates. We recommend a preliminary adhesion test on any substrate. In contact with certain surfaces such as bitumen or copper, discoloration may occur due to reaction with the substrate. On PVC we recommend a preliminary adhesion test. Certain paints and textured coatings on aluminum profiles can influence the adhesion.

Joint dimensions

Min. width for joints: 5 mm
Max. width for joints: 30 mm
Min. depth for joints: 5 mm
Recommendation sealing jobs: joint width = 2 x joint depth. Three-point adhesion should be

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avoided at all time. Too small joint dimensions can have the effect that the silicone is pulled off because of too large movements.

Application method
Application method: With manual- or pneumatic 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.
Dangerous. Respect the precautions for use.

Remarks
- 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.
- 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 sealant can slightly turn yellow. Under the influence of sunlight it can 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.
- 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.

Environmental clauses
Leed regulation:
Construction 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.

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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