

Natural Stone Silicone Tr UK

Revision: 04/06/2021

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Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 7 min
Curing speed * (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	16 ± 5 Shore A
Density	Ca. 1.03 g/ml
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion (ISO 11600)	25 %
Max. tension (ISO 37)**	1.50 N/mm ²
Elasticity modulus 100% (ISO 37)**	0.30 N/mm ²
Elongation at break (ISO 37)**	800 %
Temperature resistance**	-60 °C → 180 °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

Natural Stone Silicone Tr UK is a high-quality, neutral, elastic one-component silicone based joint sealant.

Packaging

Colour: beige, grey
Packaging: 290 ml cartridge

Properties

- No staining on porous surfaces such as marble, granite and other natural stones
- Very easy to apply
- Colourfast and UV resistant
- Impervious to mould, contains biocide with fungicidal action
- Permanently elastic after curing
- Very good adhesion on many materials
- Low modulus
- MEKO free

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.

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.
- Top sealing in glazing.

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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Compatibility with glass

Tests performed in our laboratories show that Natural Stone Silicone Tr UK is compatible with most common primary butyl edge sealants and PVB films. Due to the large number of edge sealing systems on the market it is impossible to test the compatibility of each with our glazing sealants. In case of double glazing we always recommend to do a compatibility test.

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.

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

- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remainings will stimulate the development of fungi.
- A total absence of UV can cause a color change of the sealant.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur.
- 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 in these circumstances.
- Do not use in applications where continuous water immersion is possible.
- Not suitable for bonding aquariums.
- 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.
- 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 discolouration and loss of adhesion.

Environmental clauses

Leed regulation:

Natural Stone Silicone Tr UK 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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