

MARMOR + GRANIT SILICON



Elastic sealing of connection joints in marble or natural stone surfaces.

Product performance

- | Quality alkoxy silicone sealant for all types of natural stone surfaces.
- | Does not release any unpleasant odours during processing.
- | Does not discolour the stone („grease edges“) like „standard silicones“.
- | Very high quality category (E) as specified by DIN 18545.
- | With glossy surface, permanently elastic, flexible even when cold, can resist temperatures up to 150 °C, mould and bacteria resistant.
- | Matches the MARMOR + GRANIT FUGENMÖRTEL in colour.

Important: Marble and natural stones must be primed with VORANSTRICH FÜR WIE GUMMI UND MARMOR + GRANIT SILICON prior to elastic jointing (see Priming).

Application

Providing a permanently elastic seal for connection, extension and corner joints made from marble, granite and other natural stones in houses and other buildings such as bathrooms, showers, kitchens, washrooms.

Indoor and outdoor use.



No discolouring of the stone with LUGATO MARMOR + GRANIT SILICON („grease edges“).

Substrates and preparation

Suitable	Marble, granite, Solnhofener slabs, travertine, slate and other natural stones.
State	Load-bearing, clean, grease-free, dry.
Preparation	Mask off around the joint with masking tape. Back-stop deep joints with round polyethylene cord. Always prime marble and other natural stones with VORANSTRICH FÜR WIE GUMMI UND MARMOR + GRANIT SILICON. Ventilate for approx. 60 minutes.

Processing

Spout MARMOR + GRANIT SILICON into the joint with a cartridge gun. Smooth it down with a silicone smoothening tool (WIE GUMMI FUGENGLÄTTER) within 5 to 10 minutes. Remove the masking tape, smooth down the joints with a wet finger or silicone smoothening tool (water with 10 % colourless washing-up liquid).

Product data

Consumption	Approx. 25 ml/m for a joint measuring 5 x 5 mm.
Coverage (310 ml)	Approx. 12 m for a joint measuring 5 x 5 mm.
Processing temperature	0–40 °C.
Stability	Up to 30 mm joint width.
Skin formation time	15 to 20 minutes.
Vulcanisation speed	2–3 mm per day.
Shower resistant/ permanent load-bearing capacity	After 24 hours / 1 day respectively.
Elastic recovery (DIN EN 27389)	Elastic with resilience > 90 %.
Max. movement accommodation (long term movement capability)	25 %.
Elongation at break according to DIN EN 28339	> 100 % (at -20 °C); approx. 200 % (at +20 °C).
Extension tension value 100 % (DIN EN 28339)	Approx. 0.37 N/mm ² .
Temperature resistance (dry heat)	-30 °C to 90 °C, max. 150 °C.
Heat conductivity	0.15 to 0.20 W/K-m.
Special contact resistance (DIN 53482)	7·10 ¹⁴ Ohm-cm.
Ingredients	Silicone polymer, alkoxy cross-linking agent, highly-disperse silicon dioxide, adhesive agent, stabiliser, catalyst, colour pigments.
Ecology	Free from solvent.
Packaging size	310 ml.
Shelf life	Approx. 12 months in original packaging. Store in a cool, dry place.
Colours	Anthracite, bahama beige, granite grey, silver grey, transparent, white.

Certificates

| Certified according EN 15651-3 (2012): class XS 1 by ift Rosenheim GmbH.

 NB 757	
LUGATO GmbH & Co. KG Großer Kamp 1, D-22885 Barsbüttel 14 9839-S	
EN 15651-3:2012 MARMOR + GRANIT-SILICON Sealant for joints for application in sanitary areas Typ 5 Conditioning: method B Substrate: glass without primer	
Reaction to fire:	Class E
Water tightness and air tightness:	
Resistance to flow:	< 1 mm
Loss of volume:	≤ 20 %
Tensile properties (i.e. elongation) after immersion in water:	passed
Microbiological growth:	0
Durability:	passed

Please note

- | Cannot be coated over.
- | Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.
- | Do not bring into contact with bitumen.
- | Provide very good ventilation when working inside.

Health and safety: Not a hazardous substance according to the Ordinance on Hazardous Substances.

In the event of contact with skin, remove the main contamination with paper towels, and the residue with water and a hand-cleaning paste. Do not allow to dry on the skin. In the case of contact with eyes, lift eyelids, flush the eyes thoroughly with water and seek medical attention if necessary.

A safety data sheet is available on request, or can be downloaded on the Internet at www.lugato.com.

Disposal: Allow the remaining contents to harden and dispose of as domestic waste or site waste. Recycle the empty packaging.

The information in this data sheet is correct according to our current knowledge and experience. As we have no influence on specific building characteristics and correct work procedures, we can only guarantee the impeccable quality of our products. If in doubt, check the suitability of the product by carrying out your own tests. We accept no liability for the information provided in this technical leaflet or any verbal advice given. With the publication of this technical leaflet, all previous technical leaflets become null and void. No liability for changes to technical data.



Responsible Care (RC)

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