

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“.
- | 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 and UNIVERSAL-FUGE FLEXIBEL 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	Ceramics, aluminium, chromium, copper, brass, stainless steel, zinc, enamel, glass, PVC, acrylics, polycarbonate, concrete, plaster, masonry, bonded screed, (dry, at least 28 days), wood, marble, granite, Solnhofen slabs, travertine, slate and other types of natural stone.
State	Load-bearing, clean, grease-free, dry.
Preparation	<ul style="list-style-type: none"> Mask the edges of the joint with adhesive tape. Stuff deep gaps with FUGEN-FÜLL-PROFIL so that the following gap width to gap depth ratios are produced: with narrow gaps 1:1, with wide gaps 2:1. Dimension the gap width so that movements of the adjacent components (expansion and compression) can be absorbed, and the long-term expansion capability of 25 % is not exceeded. In indoor areas the gap widths must be at least 5 mm, and at least 10 mm outdoors. Always pre-coat marble and other natural stone, acrylic and absorbent subsurfaces with VORANSTRICH FÜR SILICON. Allow to flash off for approx. 60 minutes. Adjacent components: Acrylic, polycarbonate and plastic-faced chipboard must be sanded. Plastics and metals should be lightly sanded. Degrease acrylic, glass, plastic and metals with ethyl alcohol.

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	5–40 °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.
Max. movement accommodation (long term movement capability)	25 %.
Elongation at break according to DIN EN ISO 8339	> 100 % (at -20 °C); approx. 200 % (at +20 °C).
Extension tension value 100 % (DIN EN ISO 8339)	Approx. 0.37 N/mm ² .
Temperature resistance (dry heat)	-30 °C to 90 °C, max. 150 °C.
Ingredients	Silicone polymer, fillers, organic additives, color pigments, contains as film protecting agent Carbendazim.
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

- | Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.
- | Cannot be coated over.
- | 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. The following applies to the colors bahama beige, granite grey, silver grey and white: **Warning!** Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. 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.

If you're not sure of something, please ask!

Feel free to give us a call. You can reach the LUGATO experts at: +49 (0)40 6 94 07-222.



Responsible Care (RC) for the chemical industry means taking responsible action. This is made clear through a worldwide initiative. In many countries, chemical associations run national RC programmes. Thousands of companies with millions of employees are active in the international initiative. The goal is voluntary commitment to do more than just the compulsory: Promoting sustainability, demonstrating product responsibility, creating more safety for factories and the neighbourhood, improving health protection at the workplace and improving environmental protection. Within the scope of its membership in the German Chemical Industry Association (Verband der deutschen chemischen Industrie), LUGATO has committed itself to adhere to this objective.

The statements made in this information sheet reflect our current knowledge and level of experience. Since we do not have influence on the object-specific circumstances and the correct execution of the work, we can only guarantee the consistent quality of our products.

For that reason, in case of doubt, verify the suitability of the product through a sufficient number of test applications. A direct legal liability can be derived neither alone from the instructions in this information sheet nor from any verbal consultation.

The publication of this technical information sheet invalidates all previous editions. Subject to change without prior notice.

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