

Sopro Marble Silicone

Sopro Marble Silicone is a neutral-curing, oxime-free silicone sealant for elastic filling of perimeter, separation and movement joints. In marble and other natural stone finishes, ceramic and cast stone coverings, and for grouting window sills. Also suitable for low-stress grouting of all joints in outdoor coverings with large-format units.

- Particularly suitable for natural and cast stone units
- No migration staining around edges
- Oxime-free
- Good adhesion to joint faces
- Fungicidal and Fungistatic to DIN EN ISO 846
- No priming required
- For indoor and outdoor use
- DGNB (German Sustainable Building Council): Top quality level 4, Line 12*
- EMICODE system of GEV (German Association for Control of Emissions in Products for Flooring Installation): EC1^{PLUS} ('very-low-emission-plus') rating
- CE Marked

Field Of Application

Sopro Marble Silicone is a ready-to-use, sprayable, neutral-curing, oxime-free silicone sealant with fungistatic properties, which is subject to continuous quality monitoring. After curing, silicone sealant is elastic and resistant to weathering, ageing and UV radiation. Does not react with fresh cement.

Suitable Substrates

Sopro Marble Silicone adheres to a wide range of unprimed substrates. Sopro Primer P 4050 may be used to promote adhesion of silicone sealant to open-pored or very smooth substrates. Sweep substrate and tile edges where necessary. Brush apply primer to joint faces and allow adequate flash-off time. Apply sealant to primed joints within 5 hours.

Without primer: Natural and cast stone, ceramic tiles, stove tiles, glass, uncoated aluminium, polyester GRP, lacquers/varnishes, epoxy lacquer, wood and plastics/brass sections.

With Sopro SPM 022 silicone primer for metal: Stainless steel, copper, galvanized steel and chrome, anodized aluminium, enamel, solvent-bearing glazes, PVC.

With Sopro Primer P 4050: Sandstone, concrete, aerated concrete, chlorinated rubber, masonry, plasterwork and marble tiles in areas exposed to moisture. Compliance with technical data sheet and manufacturers recommendations for use of primer is essential. For information regarding substrates other than those specified here, please contact the SMET technical team.

Substrate Preparation

The joint faces should be dry, clean, solid and free from dust and adhesion-impairing substances. Completely remove any oil or grease from smooth, closed-pore substrates using industry-standard solvents, e.g. acetone or spirit. Where necessary, prime in accordance with Primer Table. Apply primer with extreme care as spattering or smears on certain types of natural stone/marble may cause staining. The joint base should be filled with back-up material up to required joint depth.

Caution! Do not use any bituminous, tar-bearing or fibrous materials. Three-side adhesion of Sopro Marble Silicone to substrate should be prevented. To achieve a neat finish at joint edges, these should be masked to an adequate width using adhesive tape suitable for natural stone. This should be removed immediately after application of sealant.

Application

Sopro Marble Silicone should be applied without bubbling, e.g. using gun, within 5 hours of end of primer flashoff time. Smooth surface of sealant prior to commencement of skinning with Sopro GM 026 smoothing agent using damp spatula or silicone smoother. Working in stages is possible where required. Particular care must be taken to avoid air entrapment to ensure optimum adhesion and good mechanical properties.

Note: Suitable measures should be taken to protect joints against mechanical damage and soiling up to complete curing of sealant surface. Trial sealant application is recommended due to wide variety of possible adjoining covering types. With unpolished natural stone surfaces, do not spread Sopro Marble Silicone beyond joints due to possible formation of thin silicone films that are then difficult to remove.

Storage

Approx. 12 months, subject to storage in original unopened containers; 7 days once opened; store in cool, dry conditions.

Licence

EMICODE system of GEV (German Association for Control of Emissions in Products for Flooring Installation): EC1^{PLUS} ("very-low-emission-plus") rating.

* Based on DGNB (German Sustainable Building Council) criterion "ENV1.2 Local Environmental Impact" (version 2015).

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Disposal Considerations

Waste treatment methods: Recover if possible. In so doing, comply with the local and national regulations currently in force. 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

Safety

Labelling: Exempt from labelling requirements under German Hazardous Substances Ordinance (GefStoffV)/ EC Directives. EUH210 Safety data sheet available on request. The product is not classified as dangerous

according to Regulation EC 1272/2008 (CLP). Contains 3-(2-aminoethylamino)-propyltrimethoxysilane. May produce an allergic reaction. Ensure adequate ventilation during application and curing. All standard precautions for the handling of construction materials / chemicals must be taken. See Sopro Material Safety Datasheet for more detailed information.

Precautionary Statements:

P102 Keep out of reach of children

P332+P313 If skin irritation occurs: Get medical advice/ attention.

Technical Information

Skimming Time	Approx. 10 minutes
Curing	Approx. 2 mm/24 hours
Specified times	Apply for normal temperature range of +23 °C and 50 % relative humidity; higher values shorten and lower values lengthen these times.
Walkable	After approx. 3 hours
Temperature Resistance	-20 °C to +120 °C
Application Temperature	Between +5 °C and +35 °C
Movement accommodation/ expansion/ contraction	Max. 20 % of joint width.
Joint width/ joint depth**	5 mm/5 mm; 6 mm/6 mm; 8 mm/8 mm; 10 mm/8 mm; 12 mm/8 mm; 15 mm/10 mm.
Coverage	3.1 m/cartridge for 10/10 mm joints
Tools and Tool Cleaning	Gun, silicone smoother; clean tools with universal thinner or Sopro GM 026 smoothing agent immediately after use; mechanical cleaning required when set.
Packaging	310 ml cartridge (Nr 12 in box)
Standard colours	790 transparent 00; 791 white 10; 891 light grey 16; 792 silver grey 17; 793 grey 15; 899 stone grey 22; 799 concrete grey 14; 795 sand grey 18; 796 light beige 29; 842 beige 32; 794 jura beige 33; 798 anthracite 66; 797 black 90

** As specified in IVD (German Sealant Manufacturers' Association) data sheet no. 3

	Sopro Bauchemie GmbH Biebricher Straße 74 · 65203 Wiesbaden (Germany) 0757
	14 CPR-DE3/0790.1.eng EN 15 651-1:2012, EN 15 651-3:2012 Sopro Marble Silicone 790 One-component, neutral-curing silicone sealant for facades, sanitary joints and natural stone Type F EXT-INT, S Conditioning: Method A Substrate: Anodized aluminium Pretreatment: Sopro SPM 022 silicone primer for metal
Reaction to fire Water tightness and air tightness – Resistance to flow – Loss of volume – Tear resistance – Tensile properties, i.e. cohesion properties, at maintained extension after immersion in water – Microbiological Growth Durability Release of chemicals dangerous to the environment and health	Class E ≤ 3 mm ≤ 10 % Pass (NF) Pass (NF) 0 Pass (NF) Assessed

CE marking to EN 15651 is identical, with the exception of the order number, for all Sopro Marble Silicone colours. The CE mark for transparent Sopro Marble Silicone is shown here by way of example.



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