

smet

Sopro

Marble Silicone

790 transparent 00 · 791 white 10 · 891 light grey 16 · 792 silver grey 17 · 793 grey 15
795 sand grey 18 · 899 stone grey 22 · 799 concrete grey 14 · 844 basalt 64 · 798 anthracite 66
797 black 90 · 796 light beige 29 · 842 beige 32 · 794 jura beige 33



Elastic, neutral-curing silicone sealant for filling of perimeter and movement joints in concrete and natural stone coverings, and in conjunction with metal.

- For indoor and outdoor use
- For all types of natural stone
- Neutral-curing
- Good adhesion to joint faces
- Suitable for bonding mirrors
- Excellent smoothing properties
- No migration staining around edges
- Fungistatic to DIN EN ISO 846
- Tested for food compatibility
- Resistant to weathering, ageing and UV radiation
- Colours offering perfect match for Sopro tile grouts
- DGNB (German Sustainable Building Council): Top quality level 4, Line 12
- Recommended by Sentinel Haus Institut

Use

Sopro Marble Silicone is a neutral-curing silicone sealant for elastic filling of perimeter 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, and for cooking modules and kitchen worktops (marble/natural stone) in food-processing facilities.

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, glass, uncoated aluminium, polyester GRP, lacquers/varnishes, epoxy lacquer, wood³⁾, 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, treated, highly oily/resinous wood³⁾, PVC.

With Sopro Primer P 4050 for silicone sealants: Sandstone, concrete, aerated concrete, chlorinated rubber, masonry, plasterwork and marble tiles in moisture-exposed areas.

For information regarding substrates other than those specified here, please contact our technical counselling service.

Skimming time

Approx. 10 minutes

Curing

Approx. 2 mm/24 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 depth⁴⁾

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 mm/10 mm joints

Shelf life

Shelf life 12 months in original unopened containers; 7 days once opened

¹⁾ Meets microbiological criteria under test method of Chemisches Laboratorium Dr. Stegemann and requirements of German Federal Institute for Risk Assessment (BfR) for volatile organic compounds and extractables.

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

³⁾ Trial application is recommended for timber substrates, especially where these are heavily exposed to water.

⁴⁾ As specified in IVD (German Sealant Manufacturers' Association) data sheet no. 3

Packaging

310 ml cartridge (Nr 12 in box)

Properties

Sopro Marble Silicone is a ready-to-use, sprayable, neutral-curing silicone sealant, subject to continuous quality monitoring, which has fungistatic properties and has been tested for food compatibility. After curing, silicone sealant is elastic and resistant to weathering, ageing and UV radiation. Does not react with fresh cement. Also suitable for low-stress grouting of all joints in outdoor coverings with large-format units.

Substrate preparation

Joint faces shall be dry, clean, strong 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 may cause staining on certain types of natural stone/marble. Cementitious grouts shall be fully cured and dry prior to application of silicone. Joint base shall be filled with back-up material up to required joint depth.

Note! Do not use any bituminous, tar-bearing or fibrous materials. Three-side adhesion of Sopro Marble Silicone to substrate shall be prevented.

To achieve a neat finish at joint edges, these shall be masked to an adequate width using adhesive tape suitable for natural stone. This shall be removed immediately after application of sealant.

Application

Apply Sopro Marble Silicone without bubbling, e.g. using gun, within 5 hours of end of primer flash-off 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 shall be taken to avoid air entrapment to ensure optimum adhesion and good mechanical properties.

Note: Suitable measures shall 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.

Specified times

Apply for normal temperature range of +23 °C and 50% relative humidity; higher values shorten and lower values lengthen these times.

Tools/tool cleaning

Gun, silicone smoother;
clean tools with universal thinner or Sopro GM 026 smoothing agent immediately after use; mechanical cleaning required when set

Test certificates, test reports and licences

Chemisches Laboratorium Dr. Stegemann, Georgsmarienhütte:



Meets microbiological criteria under contact method of Chemisches Laboratorium Dr. Stegemann; falls below detection limit for volatile organic compounds and extractables under requirements of German Federal Institute for Risk Assessment (BfR)

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

Exempt from labelling requirements under Regulation (EC) No 1272/2008 (CLP).

EUH208 Contains 3-(triethoxysilyl)-propylamine, 3-(2-aminoethylamino)-propyltrimethoxysilane. May produce an allergic reaction. **EUH210** Safety data sheet available on request. Contains biocidal active substance carbendazim to protect against fungal attack. Avoid contact with skin. Ensure adequate ventilation during application and curing. **P102** Keep out of reach of children. **P332+P313** If skin irritation occurs: Get medical advice/attention.

Safety precautions**CE marking**

	 Sopro Sopro Bauchemie GmbH Biebricher Straße 74 D-65203 Wiesbaden (Germany) www.sopro.com
14 CPR-DE3/9003.2.eng EN 15651-1, EN 15651-3 Sopro MarmorSilicon (all colours) 1 – component silicone sealant, neutrally curing, sealant for application in the facade, in the sanitary area and for natural stone Type F EXT-INT, S Conditioning: Method A Substrate: Anodized aluminium Pretreatment: Sopro SiliconPrimer Metal SPM 022	
Reaction to fire	Class E
Water tightness and air tightness	
– Resistance to flow	≤ 3 mm
– Loss of volume	≤ 10 %
– Tensile properties at maintained extension after water immersion	Pass (NF)
– Microbiological Growth	0
Durability	Pass (NF)
Release of chemicals dangerous to the environment and health	Evaluated

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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