

Sopro

Sanitary Silicone

052 transparent 00 · 050 white 10 · 037 light grey 16 · 036 silver grey 17 · 033 manhattan 77 · 051 grey 15 · 034 sand grey 18 · 035 stone grey 22 · 038 concrete grey 14 · 030 basalt 64 · 060 anthracite 66 · 061 black 90 · 055 parchment 27 · 062 jasmine 28 · 054 light beige 29 · 058 beige 32 · 053 bahama beige 34 · 063 anemone 35 · 032 jura beige 33 · 064 sahara 40 · 057 caramel 38 · 065 brown 52 · 066 mahogany 55 · 056 bali brown 59 · 069 ebony 62 · 734 deep blue 98 · 732 signal red 91 · 733 wine red 92



Acetic-curing silicone rubber for elastic filling of perimeter and movement joints.

- For sanitary areas and underwater applications
- Fungistatic to DIN EN ISO 846
- Resistant to weathering, ageing and UV radiation
- Excellent smoothing properties
- For indoor and outdoor use
- Tested for food compatibility¹⁾
- DGNB (German Sustainable Building Council): Top quality level 4, Line 12²⁾
- EMICODE system of GEV (German Association for Control of Emissions in Products for Flooring Installation): EC1^{PLUS} ("very-low-emission-plus") rating

Use

Sopro Sanitary Silicone is a ready-to-use, acetic-curing silicone sealant with fungistatic properties for elastic filling of perimeter and movement joints in sanitary areas, e.g. between tiling and bathtub, shower tray, wash basin, sink, cooking modules and kitchen worktops (use Sopro Marble Silicone for marble/natural stone) in food-processing facilities, WC pans and urinals. For grouting around door and window frames, at vertical angles and perimeter joints between wall finishes and flooring indoors, and for underwater applications (with Sopro Primer UW 025 for silicone sealants). For indoor and outdoor use.

Suitable substrates

Sopro Sanitary 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: Glass, tiles and rear tile faces, polyester (GRP), epoxy lacquer, PVC, alkyd varnish, polyurethane lacquer, uncoated aluminium, acrylic plastics

With Sopro Primer P 4050 for silicone sealants: Concrete, aerated concrete, plasterwork/render, masonry

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

It is essential to comply with technical data sheets for primer.

Given wide variety of possible substrate types and factors affecting product use, trial application is recommended. For information regarding substrates other than those specified here, please contact our technical counselling service.

Skinning time

Approx. 10 minutes

Curing

Approx. 2 mm/24 hours

Temperature resistance

-30 °C to +180 °C

Application temperature

Between +5 °C and +35 °C

Movement accommodation/ expansion/contraction

Max. 25 % of joint width

Joint width/joint depth³⁾

5 mm/5 mm; 6 mm/6 mm; 8 mm/8 mm;
10 mm/8 mm; 12 mm/8 mm; 15 mm/10 mm

Shore A hardness to ISO 868

~ 20

Tensile strength to ISO 37, S3A [N/mm²]

~ 1,8

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 "ENV.1.2 Local Environmental Impact" (2015 version).

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

Coverage	3.1 m/cartridge for 10 mm/10 mm joints
Shelf life	24 months, subject to storage in original unopened containers; 7 days once opened; store in cool, dry conditions
Packaging	Box with 12 x 310 ml cartridges
Properties	Sopro Sanitary Silicone is a ready-to-use, acetic-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.
Substrate preparation	<p>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, pretreat with relevant primers. Cementitious grouts shall be fully cured and dry prior to application of silicone.</p> <p>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 Sanitary Silicone to substrate shall be prevented.</p> <p>Underwater application: Pretreat mineral substrates and unglazed tiles with Sopro Primer UW 025.</p>
Application	<p>Apply Sopro Sanitary 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.</p> <p>Note: Suitable measures shall be taken to protect joints against mechanical damage and soiling up to complete curing of sealant surface. Zinc sheet, steel, copper, brass and lead may corrode when exposed to Sopro Sanitary Silicone. Trial sealant application is recommended due to wide variety of possible adjoining covering types.</p> <p>To guarantee impeccable hygiene standards for swimming pool water, this shall be treated and disinfected in accordance with DIN 19643-1 (Treatment of water of swimming pools and baths – Part 1: General requirements). To prevent fungal attack, coverings shall be thoroughly cleaned once a year, in conjunction with a complete change of water.</p>
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 immediately after use; mechanical cleaning required when set

Licence

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

Test report

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)

Safety precautions



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

EUH208 Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction. **EUH210** Safety data sheet available on request.

Contains biocidal active substance 4,5-dichloro-2-octyl-2H-isothiazol-3-one 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.

CE marking

 0757	 Sopro Sopro Bauchemie GmbH Biebricher Straße 74 D-65203 Wiesbaden (Germany) www.sopro.com
14 CPR-DE3/9001.3.eng EN 15651-1, EN 15651-2 EN 15651-3, EN 15651-4 Sopro SanitärSilicon (all colours) 1 – component silicone sealant, acetate curing, sealant for application in the facade, for glazing, in the sanitary area and for pedestrian walkways Typ F EXT-INT CC, G CC, S, PW INT Conditioning: Method A Substrate: Glass Pretreatment: Sopro SiliconPrimer Clean SPM 023	
Reaction to fire	Class E
Water tightness and air tightness	
– Tensile properties at maintained extension	Pass (NF)
– Resistance to flow	≤ 3 mm
– Loss of volume	≤ 10 %
– Tear resistance	Pass (NF)
– Tensile properties (i.e. elongation) at maintained	
Extensions after immersion in water	Pass (NF)
– Adhesion/cohesion properties at maintained extension	
after exposure to heat, water, artificial light	Pass (NF)
– Elastic Recovery	≥ 70 %
– Tensile properties / secant modulus for cold	
climate areas (at -30 °C)	≤ 0.9 MPa
– Tensile properties at maintained extensions for cold	
climate areas (at -30 °C)	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 Sanitary Silicone colours. The CE mark for transparent Sopro Sanitary Silicone is shown here by way of example.

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