



Sopro SG 602

Primer-sealer



Special, solvent-free, one-component synthetic resin primer for high- and variable-suction substrates. Particularly suitable for subsequent application of mineral adhesives, surface fillers and waterproof membranes.

- For walls and floors, indoors
- Particularly suitable for calcium sulphate screeds and self-levelling calcium sulphate screeds
- Acting as barrier coat to prevent penetration of adhesive/mortar moisture into screed
- Overcoatable after 2–5 hours
- Dilutable 1 : 1 with water, depending on application
- Suitable for floor heating systems
- Solvent-free
- GHS (German hazardous substances classification): D1
- EMICODE system of GEV (German Association for Control of Emissions in Products for Flooring Installation): EC1^{PLUS} ("very-low-emission-plus") rating
- DGNB (German Sustainable Building Council): Top quality level 4, Line 8¹⁾

Use

Sopro SG 602 primer reduces absorbency and evens out variable suction in substrate. It protects against moisture from bedding adhesive. It stabilizes friable surfaces and binds loose particles. Sopro SG 602 improves adhesion. It prevents bubbling where overcoated by surface fillers and waterproof membranes; premature water loss is prevented where thin-bed tile adhesives and waterproof membranes are subsequently applied. As primer on calcium sulphate screeds for normal and rapid-set Sopro thin-bed adhesives, for tile sizes $\leq 1 \text{ m}^2$.

Suitable substrates

Absorbent substrates such as cement render, lime/cement render, gypsum plaster, homogeneous, flush-jointed masonry (no composite masonry), concrete, aerated concrete, paperless gypsum panels, gypsum plasterboard and gypsum fibreboard, cement screeds, calcium sulphate screeds, natural stone, cast stone and terrazzo. For ceramic tiles and natural stone. Only use on timber substrates that are insensitive to moisture. Do not use on substrates exposed to risk of rising damp. For priming prior to tile-on-tile laying.

Application temperature

Between +5 °C and max. +35 °C

Overcoatability

After 2–5 hours, depending on substrate suction, indoor environmental conditions and application temperature. Sopro SG 602 should in any case be left to dry for no longer than 24 hours.

Coverage

Approx. 50–150 g/m² depending on substrate suction. For calcium sulphate-based substrates, 100–150 g/m². Additional crosswise application is required in case of very high substrate suction.

Shelf life

Approx. 24 months, subject to cool storage in well sealed containers. Protect from frost

Packaging

20 kg canister, 10 kg canister, 5 kg canister

¹⁾ Based on DGNB (German Sustainable Building Council) criterion "ENV1.2 Local Environmental Impact" (2015 version).

Substrate preparation

Substrate shall be dry, strong, crack-free, dimensionally stable and free from adhesion-impairing substances (e.g. dust, oil, wax, release agent, efflorescence, laitance, paint, lacquer and varnish residue). Fill any existing cracks in screed with Sopro GH 564 casting resin. Calcium sulphate (anhydrite) screeds shall exhibit a moisture content $\leq 0.5\%$ CM (for heated screeds $\leq 0.3\%$ CM) to DIN 18157 and be adequately ground and vacuum-cleaned.

Cement screeds shall be 28 days old and dry ($\leq 2.0\%$ CM). Prior to flooring installation, screeds incorporating heating elements shall be heated up to ensure adequate drying or heated up and allowed to cool in accordance with relevant procedures and standards. Gypsum plasterwork shall be dry, single-coat and shall not be felt-floated or smoothed. Thin surface filler coats shall be removed. All relevant standards, guidelines and recommendations shall apply; workmanship shall comply with good practice.

Application

Stir or shake prior to use and apply by paint brush, block brush or roller. Apply material moderately so as to avoid puddling and skinning. Work may resume immediately after priming coat has fully dried through.

Dilutability

Dilute 1:1 with water on cementitious and calcium sulphate-based substrates.

Apply in undiluted form to non-absorbent substrates (e.g. for priming prior to tile-on-tile laying).

Note

Use Sopro MGR 637 multi-purpose primer or Sopro EPG 522 epoxy primer where tiles of size $> 1.0 \text{ m}^2$ are to be laid on calcium sulphate-based substrates.

Sopro EPG 522 shall always be used for magnesium oxychloride (magnesite) screeds.

For application of Sopro SG 602 to terrazzo, sand down terrazzo and ensure it is free from waxes and other adhesion-impairing substances. In relation to timber substrates, do not use Sopro SG 602 on woodstained and untreated wood or on timber floorboards.

Specified times

Apply for normal temperature range of $+23^\circ\text{C}$ and 50% relative humidity; higher temperatures shorten and lower temperatures lengthen these times.

Tools/tool cleaning

Lambswool roller, foam roller, paint brush, block brush; wash tools with water immediately after use.

Disposal

Properly emptied and cleaned containers may be handed over for recycling.

Licence

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

Safety precautions

All standard precautions for the handling of construction materials/chemicals shall be taken.

Supplemental hazard information: EUH208 Contains 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

EUH210 Safety data sheet available on request. **EUH208** Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction. Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3 : 1). May produce an allergic reaction.

Precautionary statements: P102 Keep out of reach of children. **P332+P313** If skin irritation occurs: Get medical advice/attention.

German Water Hazard Class (WGK) · WGK 1: slightly hazardous to water (self-assessment in accordance with VwVwS – German Administrative Regulations on the Classification of Substances Hazardous to Waters into Water Hazard Classes – of 17.05.1999)

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