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Sopro GD 749

Primer



Rapid-drying, highly concentrated, solvent-free synthetic resin primer for high- and variable-suction substrates. For pretreatment of cement screeds, calcium sulphate screeds, board subfloors, gypsum plasterboard and gypsum fibreboard, lime/cement render and gypsum plasterwork. For subsequent application of mineral adhesives, surface fillers and waterproof membranes. Dilutable with water to suit application. Apply to gypsum-bound substrates in undiluted form.

- For walls and floors, indoors and outdoors
- Ready to receive covering: after approx. 10 minutes at 23 °C
- Suitable for use in conjunction with wall and floor heating
- Solvent-free
- GISCODE (German hazardous substances classification): D1
- DGNB (German Sustainable Building Council): Top quality level 4, Line 8
- Recommended by Sentinel Haus Institut

Use

Sopro GD 749 primer reduces absorbency and evens out variable suction in substrate. It stabilizes friable surfaces and binds loose particles. Sopro GD 749 improves adhesion. Sopro GD 749 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.

Suitable substrates

Absorbent substrates such as cement render, lime/cement render, gypsum plaster, renders made from masonry cement, masonry, concrete, aerated concrete, paperless gypsum panels, gypsum plasterboard and gypsum fibreboard, cement screeds, calcium sulphate screeds, magnesium oxychloride (magnesite) screeds

Flash-off time

5–10 minutes at +23 °C, approx. 15 minutes at +5 °C;
on gypsum- and calcium sulphate-based substrates: approx. 12 hours

Application temperature

Between +5 °C and max. +30 °C

Coverage

100–200 g/m² depending on substrate suction

Shelf life

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

Packaging

1,000 kg container, 200 kg barrel, 25 kg canister, 10 kg canister, 5 kg canister, 1 kg bottle

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

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 – see ZDB (Federation of the German Construction Industry) data sheet "Ceramic tiling, natural and cast stone coverings to calcium sulphate screeds") and be adequately ground and vacuum-cleaned. Screeds incorporating Sopro Rapidur® B1 are ready to receive floor covering after only 12 hours. 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

Where applied to very high-suction substrates prior to wallpapering or where applied in several coats, Sopro GD 749 may be diluted 1:6 with water.

Where applied prior to tile adhesives or waterproof membranes, Sopro GD 749 may be diluted up to max. 1:1 with water.

With gypsum- and calcium sulphate-based substrates, apply only in undiluted form.

Note

Use Sopro MGR 637 multi-purpose primer or Sopro EPG 522 epoxy primer where tiles with edge length ≥ 60 cm or of size ≥ 0.2 m² are to be laid on calcium sulphate-based substrates. Sopro MGR 637 shall always be used for magnesium oxychloride (magnesite) screeds.

When used in conjunction with Sopro FKM 600 Silver multi-purpose flexible tile adhesive, Sopro VF 419 VarioFlex® Silver large-format flexible tile adhesive, Sopro VF HF 420 VarioFlex® high-strength flexible tile adhesive, Sopro MEG 666 megaFlex S2 turbo highly flexible tile adhesive or Sopro MEG 667 megaFlex TX highly flexible tile adhesive, Sopro GD 749 (undiluted) is suitable for tiles of size up to 1.0 m².

Specified times

Apply for normal temperature range of +23°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

Empty containers with fully dried residue may be disposed of as construction waste.

Properly emptied containers that have been scraped clean may be handed over for recycling.

Test certificates

Technische Universität München:

– National test certificate (abP) based on system test under PG-AIV (Criteria for Award of National Test Certificates for Waterproof Membranes Used in Conjunction with Tile Coverings) in conjunction with Sopro DSF 523 one-component flexible sealing slurry, Sopro DSF 623 one-component flexible rapid-set sealing slurry, Sopro DSF 423 two-component flexible sealing slurry, Sopro TDS 823 two-component turbo sealing slurry, Sopro FDF flexible sealing compound, Sopro tile adhesives and other Sopro components.

– Test report: Sopro GD 749 primer in conjunction with Sopro DSF 523 one-component flexible sealing slurry, Sopro DSF 623 one-component flexible rapid-set sealing slurry, Sopro TDS 823 two-component turbo sealing slurry and Sopro tile adhesives meets requirements to DIN EN 14 891, including those for tensile adhesion strength after storage in chlorinated water

European technical approval:

– System component of ETA no. 13/0154 under ETAG 022 Part 2

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

Not classified as dangerous under Regulation (EC) No 1272/2008 (CLP).

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

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. **EUH208** Contains a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one in proportions 3:1. May produce an allergic reaction. Avoid contact with skin. **EUH210** Safety data sheet available on request.

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)

GHS/GHS (German hazardous substances classification): D1

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