



# Sopro MGR 637

## Multi-purpose primer



Very low emission, quick-drying, water- and solvent-free, one-component reaction resin primer

- For calcium sulphate screeds when laying large-format fully vitrified stoneware units
- Extra-quick-drying
- One-component, water- and solvent-free
- For all absorbent and non-absorbent substrates
- EMICODE system of GEV (German Association for Control of Emissions in Products for Flooring Installation): EC1<sup>PLUS</sup> R ("very-low-emission-plus") rating
- DGNB (German Sustainable Building Council): Top quality level 4, Line 8<sup>1)</sup>
- For indoor and outdoor use

### Use

Universal reaction resin product for priming, stabilizing and sealing off substrates, in particular calcium sulphate screeds when laying large-format fully vitrified stoneware units. Suitable for use in conjunction with floor heating.

### Suitable substrates

Sopro MGR 637 is used in undiluted form, blinded to excess with Sopro QS 511 coarse silica sand (0.4–0.8 mm), as a primer for mineral and moisture-sensitive substrates, e.g. concrete, cement or magnesium oxychloride (magnesite) screeds. It is particularly suitable for calcium sulphate screeds. Also for use on timber floorboards, particleboard, oriented strand board (OSB) and hardboard.

### Application temperature

From +5 °C to max. +30 °C (substrate, air, material)

### Walkable

After 30–40 minutes

### Ready to receive floor covering

After 30–40 minutes

### Coverage

Approx. 175 g/m<sup>2</sup> per priming coat; 175–350 g/m<sup>2</sup> (1–2 coats, depending on substrate suction); avoid ponding

### Shelf life

Approx. 12 months, subject to storage on pallet in dry conditions in original unopened containers; store in cool, frost-free conditions (> +5 °C)

### Packaging

10 kg metal canister

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

## Properties

Sopro MGR 637 is a ready-to-use, quick-drying, very-low-emission, one-component polyurethane resin primer. It is water- and solvent-free, easily workable due to its low viscosity and achieves extremely high penetration. Particularly suitable for pretreatment of calcium sulphate screeds when laying large-format fully vitrified stoneware units.

## Note

Sopro MGR 637 shall not be diluted with water or solvents. Optimum application temperature range is between +15°C and +25°C. Higher temperatures accelerate and lower temperatures retard setting of primer.

## Substrate preparation

Substrate shall be uniformly dry, level, crack-free and of adequate compressive and tensile strength. It shall be free from dust, lacquer/varnish, wax, oil, rust, gypsum residue and any other adhesion-impairing substances. Residual moisture shall meet requirements of current edition of relevant standards, regulations, guidelines and good practice. Any potential risks posed by rising damp shall also be eliminated. Unbonded screeds and substrates in contact with ground shall be provided by others with a standards-compliant damp-proof membrane to protect against rising damp. Please contact our Technical Service team for advice on any other special substrates.

## Application

Thoroughly shake ready-to-use primer and apply in single coat using suitable tool (e.g. Sopro short-pile roller) and then immediately blind to excess with Sopro QS 511 coarse silica sand (0.4–0.8 mm). **Apply full-cover coat of Sopro MGR 637 sparingly (max. 175 g/m<sup>2</sup> per coat), taking care to avoid ponding. Long-pile paint rollers are unsuitable for application.** Completely remove surplus or only partially embedded silica sand after setting. For high-suction substrates, it may be necessary to apply two successive coats of Sopro MGR 637. In such cases, apply second coat immediately after first coat has dried and then blind to excess with sand as described above. Subsequent works to substrates primed with Sopro MGR 637 may, depending on temperature, be performed 30–40 minutes after application of final coat. Proper removal of surplus silica sand by suitable means (sweeping down, vacuuming etc.) is essential prior to commencement of subsequent works. **Note:** As an alternative to blinding with sand, a coat of Sopro HPS 673 bonding primer may be applied after first coat of Sopro MGR 637 has dried. Subsequent works can then proceed when Sopro HPS 673 has dried (after 1–2 hours).

## 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

Short-pile or foam paint roller (e.g. Sopro short-pile roller). While still fresh, Sopro MGR 637 can be removed from clothing and tools using thinner/spirit. Once set, material requires mechanical removal.

## Licence

**EMICODE system of GEV (German Association for Control of Emissions in Products for Flooring Installation):** EC1<sup>PLUS</sup> R ("very-low-emission-plus") rating

## Safety precautions

Labelling in accordance with Regulation (EC) No 1272/2008 (CLP):

GHS07, GHS08

**Signal word:** Danger

**Hazard-determining components:** Reaction mass of 4,4'-methylenedi(phenyl isocyanate) and o-(p-isocyanatobenzyl)phenyl isocyanate; poly[oxy(methyl-1,2-ethanediyl)], alpha-hydro-omega-hydroxy-, polymer with 1,1'-methylenebis(isocyanatobenzene); benzene, 1,1'-methylenebis(isocyanato-polymer) with 1,2-ethane diamine, methyloxirane and oxirane; diphenylmethane diisocyanate, isomers and homologues.

**Hazard statements:** H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure.

**Supplemental hazard information:** EUH204 Contains isocyanates. May produce an allergic reaction.

**Precautionary statements:** P201 Obtain special instructions before use. P280 Wear protective gloves/protective clothing/eye protection/face protection. P281 Use personal protective equipment as required. P308+P313 If exposed or concerned: Get medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.

**For trade applicators only!**

**German Water Hazard Class (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)

**GISCODE (German hazardous substances classification):** RU 1 · Solvent-free to TRGS (German Technical Regulations for Hazardous Substances) 610.

## Disposal

Disposal considerations: 13.1. Waste treatment methods: Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. 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.

Disposal of not hardened product (EC waste code) : 08 05 01

The suggested European waste code is just based on the composition of the product.

According to the specific process or application field a different waste code may be necessary.

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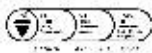
FOR MORE INFORMATION CONTACT: Smet Building Products Ltd

93A Belfast Road | Newry | BT31 1QH | Northern Ireland

T: +44 (0)28 3026 6833 F/O: +353 (0) 1697 8586

E: info@smetbuildingproducts.com

smetbuildingproducts.com or smet.ie



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