



Sopro FL 526

Flexible tile grout

528 silver grey 17 · 526 grey 15 · 622 stone grey 22 · 529 concrete grey 14 · 627 sand grey 18 · 629 beige 32 · 624 jura beige 33 · 625 basalt 64 · 626 anthracite 66 · 628 black 90



Flexible, trass-bearing, cementitious tile grout, meeting CG2 WA requirements to DIN EN 13888.

Low-chromate to Regulation (EC) No 1907/2006, Annex XVII.

- For 2–20 mm joint widths
- For fully vitrified stoneware
- High water repellency
- For balconies and patios
- For use in conjunction with floor heating
- Contains Rhenish trass
- For indoor and outdoor use
- For walls and floors
- DGNB (German Sustainable Building Council): Top quality level 4, Line 8²⁾
- EMICODE system of GEV (German Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Building Materials): EC1^{PLUS} (R ("very-low-emission-plus") rating)

Use

For grouting non-absorbent or low-suction ceramic coverings, e.g. stoneware and fully vitrified stoneware tiles, ceramic split tiles, clinker floor tiles, natural and cast stone finishes, and glass block assemblies. For use on balconies, patios and in conjunction with floor heating.

Mixing ratio

4.25–4.75 ltr water : 25 kg Sopro FL
0.85–0.95 ltr water : 5 kg Sopro FL

For colours concrete grey, basalt, anthracite and black:

5.00–5.50 ltr water : 25 kg Sopro FL
1.00–1.10 ltr water : 5 kg Sopro FL

Maturing time

3–5 minutes

Working life

30–40 minutes; stiffened mortar should not be retempered by addition of water or fresh mortar to restore workability.

Walkable

After approx. 2 hours

Loadable

After approx. 12 hours

Application temperature

Between +5°C and max. +25°C

Joint width

2–20 mm

Coverage

1.5–2.0 kg/m² for 11.5×24 cm or 20×20 cm tiles
and approx. 10 mm joint width /10 mm joint depth

Shelf life

Approx. 12 months, subject to storage on pallet in dry conditions in original unopened containers

Packaging

25 kg bag, 5 kg bag (silver grey, grey, stone grey, concrete grey, sand grey)

¹⁾ Only for colours concrete grey, basalt, anthracite and black

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

Properties

Sopro FL is a flexible, frost-resistant, rapid-set, trass-bearing, cementitious tile grout for 2 – 20 mm joint widths. Rapid initial set for low-suction tiles, with specially tailored joint-filling properties and first-rate washability (removability). Excellent removability properties/time serve to minimize consumption rate. Where properly applied, Sopro FL offers guaranteed crack-free curing while allowing early use of installed and grouted covering.

Application

Rake out joints to tile thickness before bedding adhesive sets and clean thoroughly. Ensure that bedding adhesive has fully cured prior to grouting. (Please observe guidelines in technical data sheet for relevant bedding adhesive!). Fill clean mixing container with 4.25–4.75 ltr clean mains water (5.00–5.50 ltr for Sopro FL in colours concrete grey, basalt, anthracite and black) for 25 kg dry powder, or with 0.85–0.95 ltr clean mains water (1.0–1.1 ltr for Sopro FL in colours concrete grey, basalt, anthracite and black) for 5 kg dry powder, add correct proportion of grout and mix mechanically using mixing attachment to homogeneous, creamy consistency. To improve material's homogeneity, initially set to somewhat stiffer consistency, thinning later with additional water to achieve workable consistency. After 3–5 minutes maturing time, remix thoroughly.

Grout clean, raked-out joints, which may require slight pre-wetting depending on thickness and suction of tile body, with Sopro FL using rubber squeegee or grout float, applying slight pressure so as to ensure that joints are completely filled. Do not spread dry mortar powder over joints. Allow adequate drying time for freshly applied grout, then wash down tiled surface working diagonal to joints and taking care not to wash out surface of joint. This improves smoothness and compactness of joint surface. Where necessary, re-wet with clean water during setting process.

Note: Pre-wetting of covering and trial grouting to check complete removability of cement and pigment residue are generally recommended for ceramic coverings with rough, profiled or unglazed finish and for polished fully vitrified stoneware exhibiting surface micropores of varying size. Regularly replace wash water with fresh water. Trial grouting is also recommended for natural stone coverings. Freshly grouted joints should be protected against all action that may impair setting, e.g. high temperatures, wind, rain or frost.

Hardening process and colour brilliance of tile grout largely depend on a steady supply of moisture during setting. Constructional solutions that encourage particularly high suction, e.g. traditional thick-bed methods for ceramic coverings, may cause colour variations in grout, though these may even out during drying out process.

For maximum colour uniformity, particularly with heavily pigmented and dark grout colours, exact compliance with specifications regarding mixing water quantity, homogeneous mixing and maturing time is essential. Ensure that a minimum amount of wash water is used for washing down, that wash water is frequently changed and that no water film is left covering joints. Dry rubbing of washed and stiffened joints reduces risk of later efflorescence, while enhancing colour brilliance of joint surface. Unwashed, discolouring sand aggregate present in thick-bed mortars or discolouring substances from adjoining materials may cause staining.

Acidic media may, depending on their concentration, attack and destroy cementitious grouts. For this reason, exact compliance with cleaner manufacturer's instructions on use is required when acidic cleaning agents are used. See list of tested cleaning agents for ceramic finishes in swimming pools issued by Deutsche Gesellschaft für das Badewesen (German Association for Recreational and Medicinal Bath Industry) for recommended products. Surface to be cleaned should be pre-wetted with water prior to use of acidic cleaning agents and should be immediately rinsed with plenty of water after cleaning.

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

Mixing attachment, stainless-steel trowel, rubber squeegee, grout float, sponge float, roller set for cleaning; wash tools with water immediately after use.

Disposal

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 hardened product (EC waste code) : 17 01 01

Disposal of not hardened product (EC waste code) : 17 01 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.

Licence

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

Safety precautions

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

GHS05, GHS07

Signal word: Danger

Contains Portland cement. Exhibits strong alkaline reaction upon contact with moisture/water; protection required for skin and eyes. All standard precautions for the handling of construction materials/chemicals must be taken.

Hazard statements: H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.

Precautionary statements: P102 Keep out of reach of children. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water and soap. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor. P332+P313 If skin irritation occurs: Get medical advice/attention.

Sopro FL in colours concrete grey, basalt, anthracite and black is exempt from labelling requirements under Regulation (EC) No 1272/2008 (CLP). All standard precautions for the handling of construction materials/chemicals must be taken.

EUH210 Safety data sheet available on request. P102 Keep out of reach of children. P332+P313 If skin irritation occurs: Get medical advice/attention.

GISCODE (German hazardous substances classification): ZP1 - Low-chromate to Regulation (EC) No 1907/2006, Annex XVII

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