

Sopro FL 526 - Flexible Tile Grout (2 - 20mm joints)

Sopro FL 526 Flexible Tile Grout is a flexible, trass-bearing, cementitious tile grout, meeting CG2 WA requirements to DIN EN 13 888. Suitable for grouting ceramic, fully vitrified stoneware, natural and cast stone coverings and glass block assemblies. Rapid set for low-suction tiles, with specially tailored joint-filling properties and first-rate washability (removability). Particularly suitable for balconies, patios and in conjunction with floor heating systems (UFH).

- For 2 – 20 mm joint widths
- For fully vitrified stoneware
- High water repellency
- For balconies and patios
- For use in conjunction with UFH systems
- Contains Rhenish trass
- For indoor and outdoor use
- For walls and floors
- DGNB (German Sustainable Building Council): Top-quality level 4, Line 8**
- EMICODE system of GEV (German Association for Control of Emissions in Products for Flooring Installation): EC1^{PLUS} (R) ('very-low-emission-plus') rating

Field Of Application

Sopro FL is a flexible, frost-resistant, rapid-set, trass-bearing, cementitious tile grout for 2 – 20 mm joint widths. Rapid 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 (4.50 – 5.00 ltr clean mains water for Sopro FL in colours anthracite and black) for 25 kg dry powder, or with 0.85 – 0.95 ltr clean mains water 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

to ensure 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, as a rule, trial grouting to check complete removability of cement and pigment residue are 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 must 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 thickbed 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 the 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. Contact SMET for advice. Surface to be cleaned must be pre-wetted with water prior to use of acidic cleaning agents and should be immediately rinsed with plenty of water after cleaning.

* Only for colours basalt, anthracite and black

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

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Specified Times

Apply for normal temperature range of +23 °C and 50% relative humidity; higher temperatures shorten and lower temperatures lengthen these times.

Licence

EMICODE system of GEV (German Association for Control of Emissions in Products for Flooring Installation): EC1PLUS (R) ('very-low-emission-plus') rating.

Packaging

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

Tools & Cleaning

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

Storage

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

Disposal Considerations

13.1. Waste treatment methods. Recover if possible. 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.

Safety

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. See detailed Sopro Health and Safety Data Sheet for further information.

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 basalt, anthracite and black are 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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Technical Information

Mixing Ratio (water only)	4.25 – 4.75 ltr water : 25 kg Sopro FL 0.85 – 0.95 ltr water : 5 kg Sopro FL For colours anthracite and black: 4.50 – 5.00 ltr water : 25 kg Sopro FL
Maturing Time	3-5 minutes
Working Life	30 – 40 minutes; stiffened mortar must 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/m ² for 11.5 × 24 cm or 20 × 20 cm tiles and approx. 10 mm joint width / 10 mm joint depth
Colours	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

