

Sopro FL

Flexible tile grout 2 – 20 mm

FL



Flexible, water-repellent, trass-bearing, cementitious tile grout, meeting CG2 WA requirements to DIN EN 13888, for grouting ceramic, fully vitrified stoneware, natural and cast stone coverings, and glass block assemblies. Rapid initial set for low-suction tiles, with specially tailored joint-filling properties and first-rate washability (removability). Suitable for balconies and patios, and in conjunction with wall and floor heating.

- For walls and floors, indoors and outdoors
- For 2 - 20 mm joint widths
- 30-minute working life
- Low-chromate to Regulation (EC) No 1907/2006, Annex XVII
- DGNB (German Sustainable Building Council): Top quality level 4, Line 8, based on DGNB (German Sustainable Building Council) criterion "ENV1.2 Local Environmental Impact" (2015 version)
- DGNB (German Sustainable Building Council): Top quality level 4, Line 8, based on DGNB (German Sustainable Building Council) criterion "ENV1.2 Local Environmental Impact" (2018 version)

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

Packaging		Packages	Pallet weight
Bag	25 kg	40	1000 kg
Bag	5 kg	200	1000 kg

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.
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 crack-free curing while allowing early use of installed and grouted covering.
Application	<p>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 shall 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 shall be pre-wetted with water prior to use of acidic cleaning agents and shall be immediately rinsed with plenty of water after cleaning.</p>

Water requirement	4.25 – 4.75 ltr water : 25 kg Sopro FL 0.85 – 0.95 ltr water : 5 kg Sopro FL 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
Application temperature	Application temperature between +5 °C and max. +25 °C
Colour	grey 15
Loadable	After approx. 12 hours
Maturing time	3-5 minutes
Shelf life	Approx. 12 months, subject to storage on pallet in dry conditions in original unopened containers
Specified times	Apply for normal temperature range of +23 °C and 50 % relative humidity; higher temperatures shorten and lower temperatures lengthen these times.
Tool cleaning	Wash tools with water immediately after use
Tools	Mixing attachment, stainless-steel trowel, rubber squeegee, grout float, sponge float, roller set for cleaning
Walkable / groutable	After approx. 2 hours
joint width	2 - 20 mm
Licence	EMICODE system of GEV (German Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Building Materials): EC1 ^{PLUS} ("very-low-emission-plus") rating
Safety precautions	GHS05 GHS07 Signal word: Danger Contains Portland cement, Cr (VI) < 2 ppm. 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 shall be taken. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May irritate the respiratory system 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/... 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. GISCODE GISCODE (German hazardous substances classification): ZP 1 Low-chromate to Regulation (EC) No 1907/2006, Annex XVII
Disposal	Waste treatment methods: The generation of waste should be avoided or minimized wherever possible. Recover if possible. A waste code (EWC) according to European List of Waste (LoW) cannot be specified, due to dependence on the usage. Contact and send to an authorized waste disposal service. Methods of disposal: Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Do not dispose of waste into sewers. Hazardous waste: Yes Disposal considerations: Do not allow to enter drains or watercourses. Dispose of product according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority. Special precautions: This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residues. Do not re-use empty containers.

Colour	25 kg bag Order no.	5 kg bag Order no.
silver grey 17	52821	-
grey 15	52621	52605
sand grey 18	62721	62705
stone grey 22	62221	-
concrete grey 14	52921	52905
basalt 64	62521	-
anthracite 66	62621	-
black 90	62821	-
beige 32	62921	-
jura beige 33	62421	-

Please observe the current version of the product information, the currently valid declaration of performance under the EU Construction Products Regulation, and the latest version of the relevant safety data sheet to EC Regulation No 1907/2006, also available from the Internet at www.sopro.com! This document serves as a product description and sets out general details, based on empirical and test data, that take no account of specific cases of application. No liability may be construed and no claims shall be accepted in respect of these details. Should you require assistance, please contact our Technical Counselling Service.

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