

Sopro DF 10

Flexible designer tile grout

DF 10[®]



Fine, flexible, rapid-set, cementitious tile grout, meeting CG2 WA requirements to DIN EN 13888. For grouting all types of ceramic and natural stone coverings to produce brilliantly coloured, lime-film-free finish. Enhanced protection for joints against mould formation and microorganisms plus lime-film-free finish ensure joint pattern with lasting colour brilliance for both indoor and outdoor applications. Inherent water-beading effect and Hydrodur[®] technology create water- and dirt-repellent joints. Can be used to grout thin tile coverings. Also suitable for use in conjunction with wall and floor heating.

- For walls and floors, indoors and outdoors
- For all types of ceramic, natural stone, glass mosaic and agglomerate tiles
- Joint width: 1 - 10 mm
- Uniformly brilliant colouring and lime-film-free thanks to OPZ[®] (Portland cement-free) technology
- Easy-care due to water and dirt repellency
- Enhanced resistance, even to acidic cleaners (for domestic applications)
- Greater protection for joints against mould formation and microorganisms
- Walkable after only 2 hours, loadable after approx. 12 hours
- Smooth, easy workability
- 24-month shelf life
- Low-chromate to Regulation (EC) No 1907/2006, Annex XVII
- High crystalline water binding capacity
- Approved as individual product for shipbuilding applications
- 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)
- Recommended by Sentinel Haus Institut

Coverage: 0.3 kg/m² for 30x60 cm tiles, 10 mm joint depth and approx. 4 mm joint width; approx. 0.15 kg/m² for 60x60 cm tiles, 10 mm joint depth and approx. 3 mm joint width

Packaging		Packages	Pallet weight
Bucket	10 kg	44	440 kg
Bucket	5 kg	72	360 kg
Carton	1 kg	288	288 kg

Use For grouting all types of ceramic, natural stone and cast stone coverings, thin tile coverings, glass mosaic and agglomerate tile coverings, with 1 – 10 mm joint widths, to produce brilliantly coloured finish on indoor and outdoor walls and floors. For use in conjunction with floor heating, and in damp and wet spaces. Optional enhancement through addition of Sopro gold and silver glitter.

Application Clear joints down to tile thickness before bedding adhesive sets and clean thoroughly. Ensure that bedding adhesive has fully cured prior to grouting. Fill clean mixing container with required quantity of mains water, add correct proportion of grout and mix mechanically using mixing attachment to homogeneous, creamy consistency. After specified maturing time, remix thoroughly. Observance of required maturing time is essential!

Enhancement with Sopro glitter: While mixing, slowly add up to max. 2 bags (each containing 100 g) of Sopro gold glitter or Sopro silver glitter, as required. Consistency and colour of grout may change due to addition of glitter. Trial grouting with required quantity of glitter is recommended.

Depending on nature and suction of covering, dampen or adequately pre-wet joint. Grout joints 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 (depending on suction of covering), then wash down covering working diagonal to joints and taking care not to wash out surface of joint. Ensure that a minimum amount of wash water is used for washing down and that no water film is left covering joints. Regularly replace wash water with fresh water. Rewetting of grouted surface with clean water – e.g. by spraying with fine water mist (spray bottle) or dampening with sponge – is recommended a few hours after tile grout has set. This improves hardening process and ensures achievement of brilliantly coloured, hardwearing joints that offer supreme performance. Freshly grouted joints shall be protected against all action that may impair setting, e.g. high temperatures, draughts, rain or frost.

Water requirement	Per package	10 kg	5 kg	1 kg	
	Water requirement		2.4 l - 2.6 l	1.2 l - 1.3 l	0.24 l - 0.26 l
	with glitter		2.6 l - 2.8 l	1.3 l - 1.4 l	0.26 l - 0.28 l

Application temperature Application temperature between +5 °C and max. +25 °C

Floor heating Suitable

Loadable After approx. 12 hours

Maturing time 3-5 minutes

Note Pre-wetting of covering and, as a rule, trial grouting to check complete removability of cement and pigment residue are recommended for covering materials and natural stone with rough, profiled, unglazed, unpolished or open-pored finish and for polished fully vitrified stoneware exhibiting surface micropores. As some types of natural stone may be prone to discoloration in contact with tile grouts, sample areas (mock-ups) shall be prepared for discoloration-sensitive natural stone coverings in order to assess suitability of grout. Hardening process and colour brilliance of finished joints 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 and natural stone coverings, may cause colour variations in grout, though these may even out during drying out process. Unwashed, discolouring sand aggregate present in thick-bed mortars or discolouring substances from adjoining materials may cause staining. Acidic cleaners may, depending on their concentration, attack and destroy cementitious grouts. For this reason, compliance with cleaner manufacturer's instructions on use is required when acidic cleaning agents are used.

Use of acidic cleaning agents is recommended at earliest after approx. 14 days (exception: cement skin remover for use when grouting). Surface to be cleaned shall generally be pre-wetted with water prior to use of acidic cleaning agents and shall be immediately rinsed with plenty of water after cleaning. Powder for intensive colours is greyish-white in colour. Tile grout only takes on relevant intensive colour after mixing with water. Particularly where intensive colours (signal red, wine red and deep blue) are used, take suitable measures to protect adjoining, discoloration-sensitive elements/components, e.g. wood, plastics windows and doors, sanitary appliances etc., against infiltration of tile grout. Masking of these elements/components with suitable adhesive tape is recommended.

Shelf life	Shelf life approx. 24 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
Working life	30 - 40 minutes; stiffened mortar shall not be retempered by addition of water or fresh mortar to restore workability
joint width	1 - 10 mm
Test certificates	BG Verkehr (institution for statutory accident insurance and prevention for transport and traffic): Approval for shipbuilding as individual product (not approved for use with Sopro glitter): MED approval no. 118.433 (wall) and 124.137 (floor), USCG approval no. 164.112/EC0736/118.433 (wall) and 164.117/EC0736/124.137 (floor)
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 (applies for all Sopro DF 10 grout colours except deep blue, signal red and wine red)
Safety precautions	<p>Contains Portland cement, Cr (VI) < 2 ppm. Exhibits strong alkaline reaction upon contact with moisture/water; protection required for skin and eyes. Rinse with water in case of contact. In case of contact with eyes, also seek medical advice.</p> <p>EUH210 Safety data sheet available on request</p> <p>P102 Keep out of reach of children. P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>GISCODE ZP 1</p> <p>Low-chromate to Regulation (EC) No 1907/2006, Annex XVII</p> <p>For trade applicators only!</p> <p>This product is a "treated article" under Regulation (EU) No 528/2012 (Biocides Regulation). Contains biocidal active substance 2-octyl-2H-isothiazol-3-one to protect against fungal attack. Keep out of reach of children. Avoid contact with skin.</p>

Application of Sopro DF 10[®] flexible designer tile grout



1 Fill clean bucket with clean mains water.



2 Add powder of Sopro DF 10[®] and mix mechanically.



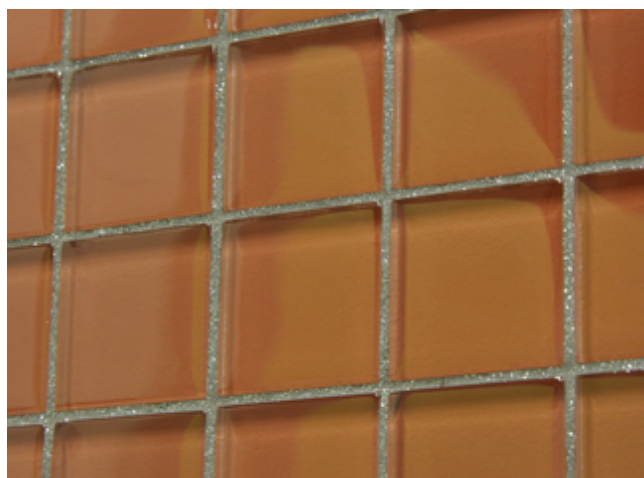
3 If required, up to 2 bags of Sopro glitter may be added to grout during mixing. If glitter is added, increase proportion of water.



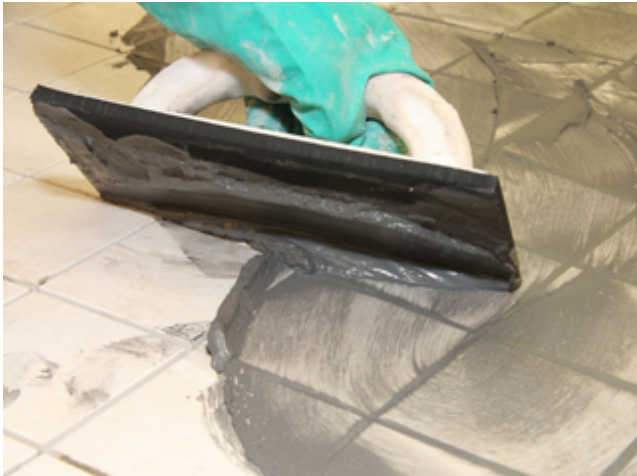
4 Grouting of glass mosaic using Sopro DF 10[®] with Sopro silver glitter.



5 Allow adequate drying time for tile grout, then wash down glass mosaic.



6 Visually appealing glass mosaic surface grouted with Sopro DF 10[®] and Sopro glitter.



7 Grouting of fully vitrified stoneware tiles with Sopro DF 10®.



8 Grouting of discoloration-sensitive natural stone with Sopro DF 10®.



9 Grouting of earthenware tiles with Sopro DF 10®.



10 Earthenware and natural stone mosaic surfaces grouted with Sopro DF 10®.



11 Brilliantly coloured joint surfaces in bathroom.

Colour	10 kg bucket, order no.	5 kg bucket, order no.	1 kg bucket, order no.
white 10	-	105005	105001
light grey 16	-	105105	105101
silver grey 17	105210	105205	105201
manhattan 77	-	106905	106901
grey 15	105310	105305	105301
sand grey 18	105510	105505	105501
stone grey 22	106210	106205	106201
concrete grey 14	105410	105405	105401
basalt 64	-	107305	107301
anthracite 66	106010	106005	106001
black 90	106110	106105	106101
parchment 27	-	105805	105801
jasmine 28	-	105605	105601
light beige 29	-	106305	106301
beige 32	-	105705	105701
bahama beige 34	-	106505	106501
jura beige 33	-	106405	106401
caramel 38	-	106805	106801
sahara 40	-	107405	107401
brown 52	-	106605	106601
chestnut 50	-	106705	106701
mahogany 55	-	107505	107501
bali brown 59	-	105905	105901
ebony 62	-	107605	107601
deep blue 98	-	107205	-
signal red 91	-	107005	-
wine red 92	-	107105	-

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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