



FLEXI-FLOOR TILE GROUT



Issue date – FFTG-2/0209

FOR INTERNAL EXTERNAL APPLICATIONS AND ON TIMBER

SUITABLE FOR JOINTS UP TO 20MM WIDE

CONFORMS TO BS EN 13888 CG2

Description:

FLEXI-FLOOR TILE GROUT is a cement-based, highly polymer-modified joint filling compound, for tile joints from 3mm up to 20mm wide around all types of ceramic floor and wall tiles. FLEXI-FLOOR TILE GROUT is formulated to provide a flowable, readily compactable grouting mix, which can be easily applied across all types of ceramic tiled surfaces using a sponge or rubber squeegee. FLEXI-FLOOR TILE GROUT is available in GREY and will dry to give improved adhesion and flexural strength, ideal for floors where slight movement and vibration can be expected. Its' durable and water-resistant finish makes it suitable for internal and external locations and also in fully immersed locations such as swimming pools.

Surface Preparation:

Check that all tiles are securely fixed and that the adhesive has thoroughly dried before applying any load or pressure to the tiled surface. Ensure all joints are raked clear of any excess adhesive residues to allow an even and consistent depth of grout to be applied in all areas. Tiling applied to wood based surfaces is ideally complemented by the use of FLEXI-FLOOR GROUT, however precautions must be taken prior to tiling which ensure all timber surfaces are prepared and braced in accordance with the recommendations of BS 5385. Note: Certain types of tile may be porous and hence prone to surface discolouration, especially when applying coloured grouts. Natural stone and porous, un-glazed tiles are particularly at risk from permanent discolouration. Apply mixed grout to a spare tile to determine whether staining is likely and consult the tile manufacturer prior as to whether they recommend a suitable sealing compound to protect the surface.

Mix Preparation:

FLEXI FLOOR TILE GROUT should be added to water in a clean container whilst mechanically stirring and mixing thoroughly to give a smooth, consistent and easily worked mortar. The recommended mixing proportions by volume are approximately 1 part water to 3 parts powder (not more than 2.2 litres per 10kg of powder). Do not add more water than is necessary as this may prolong drying, modify colour shade and significantly reduce the compressive strength of the cured grout. Part-used grout should never be "freshened up" with later water additions, but should always be discarded once it appears to lose workability. In ideal conditions (20°C), FLEXI FLOOR TILE GROUT will remain workable for 2 to 3 hours and then reach final set after about 12 hours. When grouting over a large area using several bags of grout, ensure all mixes are from the same batch and that a consistent and identical water addition is used for each mix.

Application :

Use a rubber squeegee to work the grout thoroughly and consistently into the tile joints, removing the excess as work proceeds across the tiled area. Do not use excessive water to wash clean the tiled surface as fine grout residues can be washed off the tile face by wiping the surface with only a lightly damp cloth or sponge up to 2 hours after application, then a final clean & consistent finish can be achieved by using a dry cloth to evenly dry and polish the entire grouted area when the joints have begun to harden up. FLEXI FLOOR TILE GROUT will be extremely difficult to remove from tiled surfaces if left to dry.

Coverage:

This will depend on the tile size, joint width and depth and the Grout Coverage Factor, which for FLEXI FLOOR TILE GROUT is 1.8. The approximate grout requirements for square or rectangular tiles can be estimated as follows:

$$\frac{(\text{Tile length} + \text{Tile width}) \times \text{Joint width} \times \text{Joint depth} \times 1.8}{(\text{Tile length} \times \text{Tile width})}$$

Joint Width	Tile Size (mm)	Floor grout (kg)	Joint Width	Tile Size (mm)	Floor grout (kg)
8mm	300 x 300 x 10	1.0kg/m ²	5mm	150 x 150 x 5	0.60kg/m ²
10mm	200 x 100 x 8	2.0kg/m ²	6mm	108 x 108 x 4	0.75kg/m ²
5mm	200 x 200 x 6	0.5kg/m ²	6mm	250 x 250 x 6	0.50kg/m ²

Technical summary:

Mix ratio:	Pot life:	Initial set:	Final set:	Wet bulk density:
5 powder to 1 water (wt:wt)	2 – 3 hours	4 - 6 hours	10 - 12 hours	1.85 kg / litre

Storage & Packaging:

FLEXI FLOOR TILE GROUT is supplied in 10kg multi-ply, moisture resistant paper sacks and has a storage life of not less than 12 months if stored in dry, un-opened conditions. Consult the FLEXI FLOOR TILE GROUT material safety data sheet for advice on handling and safety procedures. For further, more specific technical information, contact the Palace Technical helpline on 0151 486 6101.

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. However it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.



PALACE CHEMICALS Ltd
Speke Hall Industrial Estate,
Speke; Liverpool; L24 4AB
Tel: 0151 486 6101 – Fax: 0151 448 1982
e-mail: sales@palacechemicals.co.uk

