



# WALL TILE GROUT



Issue date – WTG-2/0711

**FOR INTERNAL AND EXTERNAL APPLICATION**

**SUITABLE FOR JOINTS UP TO 4MM WIDE**

**CONFORMS TO BS EN 13888 CG1**

## Description:

WALL TILE GROUT is a cement-based, polymer modified joint filling compound, available in WHITE and IVORY for tile joints up to 4mm wide around all types of ceramic tiles. WALL TILE GROUT is formulated to provide a non-slump, readily compactable grouting slurry, which can be easily applied across all types of ceramic tiled surfaces using a sponge or rubber squeegee. WALL TILE GROUT will dry to a hard, durable and water-resistant finish, suitable for internal and external locations. In fully immersed locations, the inclusion of PALAFLEX in the grout mix will enhance water repellent properties.

## 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 panelled surfaces, where slight movement is likely or if is subject to water immersion should be grouted with WALL TILE GROUT mixed with PALAFLEX diluted 1 : 1 with water to improve flexural adhesion strength & water resistance. Note: Certain types of tile may be porous and hence prone to surface discolouration. Natural stone and porous, un-glazed tiles are particularly prone to absorption of grout fines. 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:

WALL 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 2.5 parts powder (1.2 litres per 3kg of powder). Do not add more water than is necessary as this may prolong drying 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), WALL TILE GROUT will remain workable for 2 to 3 hours and then reach final set after about 24 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 Method:

Use a rubber squeegee, or smooth sponge to work the grout thoroughly and consistently into the tile joints, removing the excess as work proceeds across the tiled area. Fine grout residues can be washed away with a lightly damp cloth or sponge up to 2 hours after application, with a final clean finish being achieved using a dry cloth to polish the surface when the joints have dried and hardened. WALL TILE GROUT mixed with PALAFLEX diluted as 1 to 1 with water will be more difficult to remove from tiled surfaces when dry therefore extra care is necessary to ensure residues are completely removed as the application proceeds. If completing a shower, do NOT use shower for at least 2 weeks (BS 5385: Part 4:2009, clause 7.2.1).

## Storage & Packaging:

WALL TILE GROUT is supplied in 1.5kg; 3 kg and 10kg moisture resistant bags and has a storage life of not less than 12 months if stored in dry, un-opened conditions. WALL TILE GROUT contains Portland cement and is therefore classified as irritating to eyes and skin. Consult the WALL TILE GROUT material safety data sheet for advice on handling and safety procedures. Should further more specific technical information be required, contact the Palace Technical helpline on 0151 486 6101.

## Coverage:

This will depend on the tile size, joint width and depth and the Grout Coverage Factor, which for WALL TILE GROUT is 1.7. The approximate grout requirements for square or rectangular tiles can be estimated as follows:

$$\frac{(\text{Tile length} + \text{Tile width}) \times \text{Joint width} \times \text{Joint depth} \times 1.7}{(\text{Tile length} \times \text{Tile width})}$$

Examples are as following table:

Joint Width	Tile Size (mm)	Floor grout (kg)	Joint Width	Tile Size (mm)	Floor grout (kg)
2mm	150 x 200 x 6	0.21kg/m <sup>2</sup>	3mm	100 x 100 x 4	0.33kg/m <sup>2</sup>
2mm	200 x 250 x 10	0.27kg/m <sup>2</sup>	2mm	150 x 150 x 4	0.17kg/m <sup>2</sup>
3mm	300 x 200 x 10	0.40kg/m <sup>2</sup>	3mm	250 x 200 x 6	0.25kg/m <sup>2</sup>

## Technical Summary:

Mix ratio:	Pot life:	Initial set:	Final set:	Wet bulk density:
2.5 powder to 1 water (vol:vol)	3 - 4 hours	8 - 10 hours	24 hours	1.7 kg / litre

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