



COLOUR-LOCK WALL & FLOOR TILE GROUT



Issue date – CLFWTG-2/0316

HIGH FLEXURAL STRENGTH & WATER REPELLENCY

EFFLORESCENCE FREE PERMANENT COLOUR

FAST SETTING INTO JOINTS UP TO 20MM

BUILT-IN MOULD RESISTANCE

Description:

PALACE COLOUR-LOCK WALL & FLOOR TILE GROUT is a fast-setting, polymer fortified, mould resistant grouting compound based on lime-free binder technology to ensure the finished colour shade is consistently achieved without being affected by efflorescence & shade variation. **COLOUR-LOCK WALL & FLOOR TILE GROUT** is available in a range of 11 colours (see below) for wall & floor tile joints up to 20mm wide. It is an easy to mix, readily compactable grouting compound which can be applied across all types of ceramic tiled surfaces using a sponge or rubber squeegee. **COLOUR-LOCK WALL & FLOOR TILE GROUT** will dry to a hard, durable, shrink resistant, mould resistant and water-repellent finish, suitable for internal and external locations and especially in sanitary areas in kitchens, showers, toilets & bathrooms where inhibition of fungal growth is essential. **COLOUR-LOCK** is recommended when fixing tiles applied over timber ply-boards and heated sub-floors where some minor vibration can be expected.

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 and do not leave water standing in joints. Note: Certain types of tile may be porous, prone to surface discolouration or mild abrasion and some 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 or scratching is likely and consult the tile manufacturer prior as to whether they recommend a suitable sealing compound to protect the surface.

Mix Preparation:

PALACE COLOUR-LOCK WALL & 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 4 parts powder (600ml per 3kg sachet of powder). Do not add more water than is necessary as this may prolong drying, affect the finished 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), fast-setting **PALACE COLOUR-LOCK WALL & FLOOR TILE GROUT** will remain readily workable for up to 1 hour and then reach final set after 90 to 120 minutes. 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 should be washed away with a damp (not soaked) cloth or sponge within 20 minutes of initial application, with a final clean finish being achieved using a semi-dry cloth to polish the surface when the joints have dried and hardened 2 to 3 hours later. Always ensure cloths are clean and free from any contamination and no excess water remains on the cleaned surface. Due to its' fast setting & polymer fortified properties, **PALACE COLOUR-LOCK WALL & FLOOR TILE GROUT** will be more difficult to remove from the tiled surfaces than standard wall or floor grout when dry therefore extra care is necessary to ensure residues are completely removed as the application proceeds before the grout begins to set. If completing a shower, do NOT use shower for at least 2 weeks (BS 5385: Part 4:2009, clause 7.2.1).

Storage & Packaging:

PALACE COLOUR-LOCK WALL & FLOOR TILE GROUT is supplied in 3kg moisture resistant air-tight sachets and has a storage life of 24 months if stored in dry, un-opened conditions.

Classification:

EN 13888 – CG 2WA	
Improved cementitious grout with additional characteristics of reduced water absorption and high abrasion resistance	
Abrasion Resistance	< 1000 mm ³
Compressive Strength – (dry)	> 15.0 N/mm ²
Compressive Strength – (freeze thaw)	> 15.0 N/mm ²
Flexural Strength – (dry)	> 3.5 N/mm ²
Flexural Strength – (freeze thaw)	> 3.5 N/mm ²
Shrinkage	< 2.0 mm/m
Water Absorption at 30 mins	< 2.0 g
Water Absorption at 6 hours	< 5.0 g
Resistance to Fire	NPD

Coverage:

This will depend on the tile size, joint width and depth and the Grout Coverage Factor, which for **PALACE COLOUR-LOCK WALL & 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)	Coverage (kg)	Joint Width	Tile Size (mm)	Coverage (kg)
6mm	150 x 200 x 6	0.67 kg/m ²	8mm	100 x 100 x 8	2.00 kg/m ²
6mm	200 x 250 x 10	0.86 kg/m ²	8mm	150 x 150 x 6	1.00 kg/m ²

Technical summary:

Mix ratio:	Pot life:	Setting time:	Foot Traffic:	Wet bulk density:
5 powder to 1 water (wt by wt)	1 hour	1 ½ - 2 hours	3 - 4 hours	1.8 kg / litre

COLOUR RANGE:

MIDNIGHT	RAVEN	NATURAL GREY	STERLING SILVER	PLATINUM	MOCHA	PARCHMENT	LATTE	ANTIQUE WHITE	SILK	BRIGHT WHITE

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 1YA
Tel: 0151 486 6101 – Fax: 0151 448 1982
e-mail: sales@palacechemicals.co.uk

EN ISO 18001



OHS 596309

EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010