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TILE-GROUT

CERAMIC WALL TILE GROUT

- FOR INTERNAL AND EXTERNAL APPLICATION
- SUITABLE FOR JOINTS UP TO 3MM WIDE
- CONFORMS TO BS EN 13888 CG1
- CAN BE UTILISED IN SHOWERS AND FREQUENTLY WET AREAS
- AN BE APPLIED OVER MOSAIC CERAMIC AND PORCELAIN TILED SURFACES

TECHNICAL SUMMARY

MIX RATIO	2.5 powder to 1 part water (vol:vol)
WORKING POT LIFE	3 - 4 hours
INITIAL SET TIME	8 - 10 hours
FINAL SET TIME	24 hours
WET BULK DENSITY	1.6kg / litre



PALACE 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. **PALACE 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.

NARROW JOINTS
UP TO 3MM

SUPER SMOOTH
MIXTURE

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Ceramic Wall Tile Grout



DESCRIPTION

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PALACE 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. **PALACE TILE-GROUT** will dry to a hard, durable and water-resistant finish, suitable for interior and external locations. On surfaces where movement & vibration is expected the use of **PALACE ANTI-MOULD GROUT** is recommended.

SURFACE PREPARATION

Check that all tiles are securely fixed and that the adhesive has thoroughly dried before applying any load of 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 should be grouted with **PALACE ANTI-MOULD GROUT** to ensure the necessary improved flexural adhesion strength. Areas subject to full immersion should be planned to allow up to 3 weeks drying out & curing time before grouted tiles are in contact with water (as per BS, 5385 Part 4.) Note: Certain types of tile may be porous and hence prone to surface discolouration. Natural stone and porous, unglazed 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

PALACE 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 (1.3 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 the later water additions, but should always be discarded once it appears to lose workability. In ideal conditions (20°C), **PALACE 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 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.

PALACE TILE-GROUT not promptly and thoroughly cleaned off the tile face may become difficult to remove 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).

COVERAGE

This will depend on the tile size, joint width and depth and the Grout Coverage Factor, which for **PALACE TILE-GROUT** is 1.6. The approximate grout requirements for square or rectangular tiles can be estimated as follows:

$$\frac{(\text{Tile length} + \text{Tile width}) \times \text{Joint width} \times \text{Joint depth} \times 1.6}{(\text{Tile length} \times \text{Tile width})}$$

JOINT WIDTH	TILE SIZE (mm)	FLOOR GROUT (KG)
2MM	150 X 200 X 6	0.21 KG/M ²
2MM	200 X 250 X 10	0.27 KG/M ²
2MM	150 X 150 X 4	0.17 KG/M ²
3MM	300 X 200 X 10	0.40 KG/M ²
3MM	100 X 100 X 4	0.33 KG/M ²
3MM	250 X 200 X 6	0.25 KG/M ²

STORAGE AND PACKAGING

PALACE TILE-GROUT is supplied in 1.5kg, 3kg and 10kg moisture resistant bags and has a storage life of not less than 12 months if stored in dry, un-opened conditions.

PALACE TILE-GROUT contains Portland cement and is therefore classified as irritating to eyes and skin. Consult the **PALACE TILE-GROUT** material safety data sheet for advice on handling and safety procedures.

HEALTH AND SAFETY

Always ensure that appropriate PPE is worn when mixing & applying this product to ensure protection from airborne dust and skin contact with the mixed liquid product. Wash hands after use and launder stained clothing. Do not consume food when working with this material and keep children & animals away from any possible risk of contact. A complete PALACE material safety data sheet is available on request or online at www.palacechemicals.co.uk



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

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QUALITY AND ENVIRONMENT

All Palace Chemicals products are manufactured under a BSI accredited ISO 9001:2015 Quality Management System, along with an ISO 14001 Environmental Management system continually working to reduce our carbon footprint.

TECHNICAL ADVISORY SERVICE

Should more specific technical information be required, contact the Palace Technical helpline on: **0151 486 6101**.

For a Technical Specification and quantity requirements, visit our 'TilingSpecifier' on the Palace website at:

<http://www.palacechemicals.co.uk>

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COLOURS AVAILABLE



WHITE



IVORY

DISCLAIMER

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.



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