



TECHNICAL DATA SHEET



Ver 04 - PALCL 28.10.24

COLOUR-LOCK

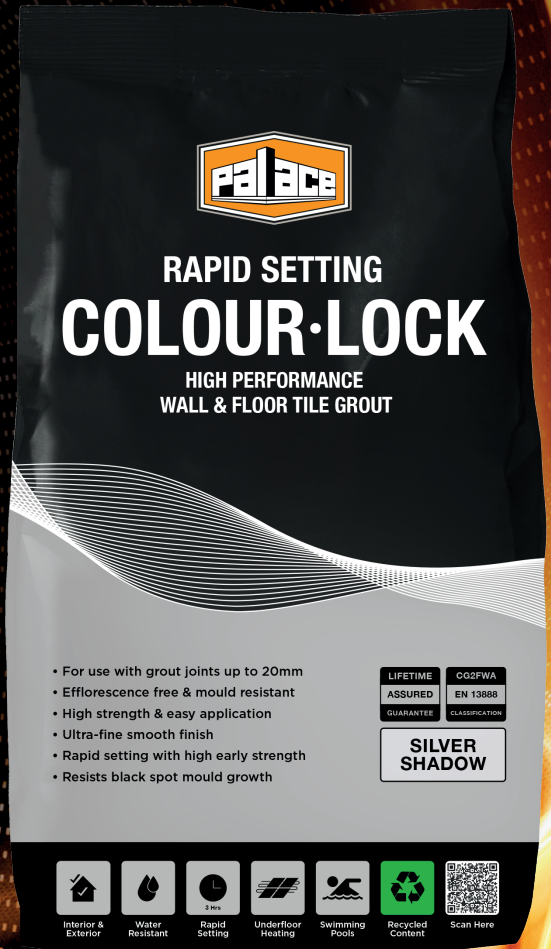
HIGH PERFORMANCE WALL & FLOOR GROUT

- FAST SETTING HIGH EARLY STRENGTH GROUT WITH A 1-HOUR WORKING POT-LIFE
- REINFORCED WITH KEVLAR FIBRE & HYDROPHOBIC POLYMER ADDITIVES
- SUITABLE FOR SEALING TILE JOINTS FROM 2 TO 20MM WIDE
- CURES TO A MOULD RESISTANT & EFFLORESCENCE FREE MORTAR JOINT
- AVAILABLE IN A RANGE OF 12 PERMANENT FADE RESISTANT COLOURS

TECHNICAL SUMMARY

UNIT SIZES	3kg & 10kg
COLOURS	12
JOINT WIDTHS	2 - 20mm
TIME UNTIL FOOT TRAFFIC	4 hours*
WORKING POT LIFE	1 hour*
INITIAL SET TIME	2 - 3 hours*
APPLICATION TEMPERATURES	5 - 35°C

* Dependent on temperature of substrate and site conditions



PALACE COLOUR-LOCK 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. It cures to give a tough, durable colour-fast water & shrink resistant tile joint.

FAST SETTING GROUT

AVAILABLE IN 12 COLOURS



PALACE CHEMICALS LTD

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COLOUR-LOCK

High Performance Wall & Floor Grout



DESCRIPTION

PALACE COLOUR-LOCK GROUT is available in a range of 12 colours 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. **PALACE COLOUR-LOCK 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. **PALACE COLOUR-LOCK GROUT** is recommended when fixing tiles applied over timber plyboards 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 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 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 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).

COVERAGE

This will depend on the tile size, joint width and depth and the Grout Coverage Factor, which for **PALACE COLOUR-LOCK GROUT** is 1.8. The approximate grout requirements for square or rectangular tiles can be estimated as follows:
(Tile length + Tile width) X Joint width X Joint depth
X 1.7 (Tile length X Tile width)

JOINT WIDTH	TILE SIZE (mm)	COVERAGE (KG)
6MM	150 X 200 X 6	0.67 KG/M ²
6MM	200 X 250 X 10	0.86 KG/M ²
8MM	100 X 100 X 8	2.00 KG/M ²
8MM	150 X 150 X 6	1.00 KG/M ²

STORAGE AND PACKAGING

PALACE COLOUR-LOCK GROUT is supplied in 3kg moisture resistant air-tight sachets or 10kg sacks and has a storage life of 24 months if stored in dry, un-opened conditions.

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 45001



OHS 596309

EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

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High Performance Wall & Floor Grout



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



MIDNIGHT



RAVEN



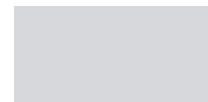
PLATINUM



STERLING SILVER



NATURAL GREY



SILVER SHADOW



MOCHA



LATTE



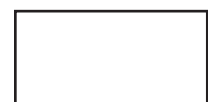
PARCHMENT



ANTIQUE WHITE



SILK



BRIGHT WHITE



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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)	> 2.5 N/mm ²
FLEXURAL STRENGTH - (FREEZE THAW)	> 2.5 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

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. Our products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept responsibility arising from the application or use of our products because we have no direct or control over where and how our products are stored and used. All products are sold and guaranteed subject to our terms and conditions of sale, copies of which may be obtained on request.



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