



## TECHNICAL DATA SHEET

DEC 2025 Ver 01 - PALTG 04.12.25



### STANDARD SETTING TILE-GROUT

CERAMIC WALL TILE GROUT

- Ideal for narrow grout joints up to 4mm
- Ultra fine & super smooth
- High strength & easy application
- Durable finish
- Suitable for showers & frequently wet areas

#### DESCRIPTION

**PALACE TILE-GROUT** is a cement based, polymer modified grouting compound, available in white & ivory for wall tile joints up to 4mm wide. **PALACE TILE-GROUT** is formulated to provide a non slump, readily compactable grout, which can be easily applied across all types of ceramic tiled surfaces using a grout float or rubber squeegee. **PALACE TILE-GROUT** will dry to a hard, durable and water-resistant finish, suitable for internal locations. **Conforms to BS EN 13888 Type CG1**

#### 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 tiles like natural stone and un-glazed tiles are porous and may be prone to surface discolouration, especially when applying coloured grouts. Some tile glazes are also very soft and could potentially be scratched by the grout during application. Apply grout to a spare tile or test area to check first before grouting the whole tiling project.

#### TECHNICAL DATA

|                          |                  |
|--------------------------|------------------|
| UNIT SIZE                | 3 / 10kg         |
| COLOUR                   | White / Ivory    |
| JOINT WIDTH              | 4mm              |
| WORKING POT LIFE         | 4 hours*         |
| INITIAL SET TIME         | 10 hours @ 20°C* |
| FINAL SET TIME           | 24 hours @ 20°C* |
| APPLICATION TEMPERATURES | 5 - 25°C         |
| CLASSIFICATION           | CG1              |

\* Dependent on temperature, substrate and site conditions

EN ISO 45001



OHS 596309

EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

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## MIXING

**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 1:2.5 water to 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 TILE-GROUT** will remain readily workable for 2-3 hours and then reach final set after 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

Use a grout float or rubber squeegee 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 2 hours 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. Always ensure cloths are clean and free from any contamination and no excess water remains on the cleaned surface. **PALACE TILE-GROUT** 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 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).

## PRECAUTIONS

Do not grout more than approx. 2 sq. metres at a time, otherwise the grout may become increasingly difficult to remove from the tiled surface if allowed to dry. Always check that porous floor tiles can be washed clean and will not absorb the colour of **PALACE TILE-GROUT** before applying.

**Note:** When using more than 1 pack of grout always ensure they are derived from the same batch number and maintain the exact water addition for each subsequent mix. If completing a shower or pool, DO NOT use for at least 2 weeks. (BS 5385 Part 4 clause 7.2.1).

## COVERAGE

Grout coverage depends upon tile size, joint width and depth. The following table may be useful to estimate the quantity of **PALACE TILE-GROUT** required:

| JOINT WIDTH | TILE SIZE (MM) | COVERAGE (KG/M <sup>2</sup> ) | M <sup>2</sup> / 5KG |
|-------------|----------------|-------------------------------|----------------------|
| 2           | 150 x 200 x 6  | 0.21 kg/m <sup>2</sup>        | 00.00                |
| 2           | 250 x 250 x 10 | 0.27 kg/m <sup>2</sup>        | 00.00                |
| 2           | 150 x 150 x 4  | 0.17 kg/m <sup>2</sup>        | 00.00                |
| 3           | 300 x 200 x 4  | 0.40 kg/m <sup>2</sup>        | 00.00                |
| 3           | 100 x 100 x 4  | 0.33 kg/m <sup>2</sup>        | 00.00                |
| 3           | 250 x 200 x 6  | 0.25 kg/m <sup>2</sup>        | 00.00                |



WHITE



IVORY

## STORAGE

Keep the product sealed until use in dry, well ventilated conditions at an ambient temperature and away from all sources of damp. When kept in its original sealed state in a permanently dry environment, this product will retain a shelf life of up to 12 months from date of manufacture. Should further technical information be required, contact the Palace Technical helpline on 0151 486 6101.

## HEALTH & SAFETY



**Causes Serious Eye Damage. Causes Skin Irritation.**

**May Cause Respiratory Irritation. May Cause An Allergic Reaction**

Keep out of reach of children. Avoid breathing dust. Wear protective gloves/protective clothing/eye protection or face protection (mask). Use only outdoors or in a well ventilated area. IF IN EYES: rinse cautiously with water for several minutes, remove contact lenses, continue rinsing and immediately call for medical assistance. IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs seek medical attention. If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, call for medical assistance.

A complete PALACE material safety data sheet is available on request or online at [www.palacechemicals.co.uk](http://www.palacechemicals.co.uk)

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### TECHNICAL ADVICE

For advice on tile installation products call the Palace Chemicals Technical Helpline on 0151 336 9104.

### QUALITY & 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.

### 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.

### CLASSIFICATION

|   |        |                          |
|---|--------|--------------------------|
| UK<br>CA  | C<br>€ | UK<br>NI                 |
| 1289 - 21   |        |                          |
| Palace Chemicals Ltd,<br>Speke Hall Industrial Estate, Speke, Liverpool L24 1YA |        |                          |
| DoP - 3-1   |        |                          |
| <b>EN 13888 - CG1</b><br>Normal cementitious grout                              |        |                          |
| Release of dangerous substrates   |        | See MSDS                 |
| Abrasion resistance   |        | > 2000mm <sup>3</sup>    |
| <b>Strength as:</b>   |        |                          |
| - Compressive strength (dry)  |        | ≥ 15.0 N/mm <sup>2</sup> |
| - Compressive strength (freeze thaw)  |        | ≥ 15.0 N/mm <sup>2</sup> |
| - Flexural strength (dry)   |        | ≥ 2.5 N/mm <sup>2</sup>  |
| - Flexural strength (freeze thaw)   |        | ≥ 2.5 N/mm <sup>2</sup>  |
| <b>Shrinkage:</b>   |        |                          |
| - Shrinkage   |        | < 3.0 N/mm <sup>2</sup>  |
| <b>Water absorption:</b>  |        |                          |
| - Water absorption at 30 mins   |        | < 5.0g                   |
| - Water absorption at 6 hours   |        | < 10.0g                  |
| Resistance to fire  |        | NPD                      |

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