



TECHNICAL DATA SHEET

ALCOLIN GROUT

Description

ALCOLIN GROUT is a cement-based product available in a variety of colours designed to point tile joints on walls and floors up to a maximum width of 10mm for both interior and exterior applications. ALCOLIN GROUT contains additives which improve water resistance, and workability. It has been specially formulated to provide low shrinkage characteristics over a wide joint width range.



Features & Benefits

- Versatile - for use on wall and floors.
- Low shrinkage - suitable for wide grouting up to 10mm.
- Good water resistance - can be used indoors and outdoors.
- Excellent workability - easy to spread and smooth.
- Good anti slump/non sag properties - easily applied to vertical surfaces.

Applications

- ALCOLIN GROUT is designed to point tile joints on walls and floors up to a maximum width of 10mm for both interior and exterior applications.

Limitations

- Not suitable for wall joint widths less than 2mm and floor joint widths less than 3mm.
- Not suitable for joint widths wider than 10mm.
- Do not grout over movement and expansion joints.

Safety instructions

ALCOLIN GROUT is non-toxic, however the cement component is alkali in nature, and it is therefore advisable to wear rubber gloves in order to avoid direct skin contact. In the event of skin or eye contact, rinse thoroughly and immediately with water. Seek medical assistance if irritation or discomfort persists. Keep out of reach of children! Refer to our Safety Data Sheets for further toxicological information and comprehensive handling instructions.

Surface preparation

- The tiled area to be grouted should have been installed according to SABS 0107:1996 (Code of Practice for the design and installation of ceramic tiling).
- Allow tile adhesive a minimum of 24 hours to cure before grouting.
- Minimum joint width for walls is 2 mm and for floors 3 mm.
- Joint surfaces must be firm, clean and free from loose materials and adhesive residue.

- It is advisable to moisten the joints before applying the grout so as to assist the flow of the grout into the joints and to reduce shrinkage of the grout at the tile – grout interface for unsealed tiles (water absorption). Do not moisten joints if a ready-mix tile adhesive was used to place the tiles
- Do not grout over expansion or movement joints.
- It is recommended that quarry or porous non-glazed tiles are sealed prior to grouting in order to prevent any staining.

Expansion joints

- Prior to grouting with ALCOLIN GROUT due caution should be noted as to where all expansion and movement joints are located. Do not grout these joints. Ensure that all expansion and movement joints extend through adhesive bed and tiling. Movement joints should be located in both directions at maximum 5m centres for interior applications and every 3m for exterior conditions.
- Movement joints should also be located in all horizontal and vertical corners, against obstructions fixed to the structural background and over all discontinuities in building materials, e.g. at interfaces of concrete and brickwork. In addition, movement joints should be located around any fixtures protruding through the tiled surface. See SABS 0107:1996 (Code of Practice for The design and installation of ceramic tiling).
- Where practical, most of the depth of the movement joint could be filled with an inexpensive, compressible material such as polyethylene foam strips.
- Fill the joint using a suitable resilient flexible sealant. Important: the joint sealant should only adhere to the sides of the movement joint.

Directions for use

1. Liberally apply ALCOLIN GROUT to the surface to be grouted and work the grout into the joints with a rubber sponge trowel or rubber grout squeegee. Cover an area of approximately 1m² at a time.
2. Ensure joints are completely filled.
3. Excess ALCOLIN GROUT must be worked away from the joints and cleaned off as work progresses to avoid hardening in undesirable areas.
4. The grouted joints must be left to dry and harden for ± 2 hours before removing excess grout with a damp (not wet) sponge.
5. The joints can be finished off by pointing along the joint lines.
6. Do not leave any excess moisture on the surface of the grout joints which may cause efflorescence on drying.
7. The joints must be allowed to dry for 24 hours before polishing with a clean dry cloth.
8. For exterior applications ensure that the grouting is protected from the elements for the first 24 hours (direct sunlight, wind & rain).

Mixing

- Add approximately 3 parts of ALCOLIN GROUT to 1 part of clean water or gradually mix 5 kg of ALCOLIN GROUT to approximately 1.5 litres of clean water or for 20kg use approximately 6L of clean water.
- Mix to a smooth paste and allow the mixture to stand for 5 minutes.
- Remix before use.
- DO NOT ADD MORE WATER ONCE DESIRED CONSISTENCY IS ACHIEVED.
- NOTE: It is recommended that ALCOLIN PERMOBOND diluted 1 part with 3 parts water be added to ALCOLIN GROUT for swimming pools, wide joints and high traffic areas for improved water resistance and flexural strength. (Use approx. same addition level as for water).

Coverage

Using the following formula it is possible to arrive at the quantity of ALCOLIN GROUT required per square meter of tiling.

$$\text{Kg / M}^2 = \frac{A + B}{A \times B} \times C \times D \times 1.7$$

A = Length of tile, B = Width of tile, C = Thickness of tile, D = Average joint width

Tile Size (150x150x4mm) with a 3mm joint:

$$\frac{(150+150)}{150 \times 150} \times 4 \times 3 \times 1.7 = 0.27 \text{ kg/m}^2.$$

Tile Size (300x300x8mm) with a 10mm joint.

$$\frac{(300+300)}{\quad \quad \quad} \times 8 \times 10 \times 1.7 = 0.91 \text{ kg/m}^2.$$

Cleaning

- Tools can be cleaned with water and soap when adhesive is still wet.

Storage stability

ALCOLIN GROUT must be kept in normal, dry conditions and protected from damp. The product has a shelf life of approximately 9 months if stored, as described above, in its original sealed packaging.

Product packaging

- 1kg pocket
- 5kg pocket
- 20kg pocket

Product data

i. Physical data

Water resistance	Good
Service temperature range	Approx. 90°C

i. Application data*

Colours	White, light grey, and dove grey
Joint width	2mm – 10mm
Final drying time	± 24 hours at 20°C and 50% humidity
Pot life	2 - 3 hours at 20°C and 50% humidity
Pot life with latex bond	2 - 3 hours at 20°C and 50% humidity
Coverage	Refer to directions for use / coverage
Tools	Rubber sponge trowel or rubber grout squeegee sponge & spacers

*Please refer to "Directions for Use" section for further details

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