



Grout 3000

Technical Document

GROUT 3000 IS A HIGHLY VERSATILE CEMENT BASED WALL AND FLOOR GROUT CONTAINING ANTI MOULD TECHNOLOGY. GROUT 3000 IS FLEXIBLE AND IS SUITABLE FOR USE ON SUBSTRATES WITH LIMITED MOVEMENT SUCH AS UNDER FLOOR HEATING AND TIMBER SUBSTRATES AS WELL AS MORE COMMON SUBSTRATES SUCH AS CONCRETE. GROUT 3000 IS IDEAL FOR GROUTING JOINTS BETWEEN 2MM AND 15MM. GROUT 3000 HAS VERY LOW PERMEABILITY AND IS THEREFORE SUITABLE FOR USE IN AREAS SUBJECT TO PROLONGED OR PERMANENT WATER IMMERSION SUCH AS WET ROOMS, SHOWERS AND SWIMMING POOLS. GROUT 3000 ALSO CONTAINS SPECIAL ADDITIVES TO INCREASE WATER REPELLENCE RESULTING IN A BEAD EFFECT. GROUT 3000 DRIES TO A DURABLE, SHRINK RESISTANT, MOULD RESISTANT AND WATER RESISTANT FINISH THAT IS SUITABLE FOR INTERNAL AND EXTERNAL USE.

USES:

For grouting joints in tiles between 2mm – 15mm in width. Grout 3000 is suitable for grouting ceramic, porcelain, mosaic, glass, quarry, terracotta and natural stone tiles. It can be used on all common substrates including those subject to limited movement such as under floor heating and timber surfaces and is suitable for use internally and externally. Grout 3000 is ideal in dry and wet conditions and can be used in areas subject to permanent water immersion.

Note:

Certain types of natural stone and porous tiles are prone to scratching or surface discolouration with the use of fine grouts. We strongly advise testing the grout on a spare tile before grouting the tiled area. Where necessary, apply a protective treatment to the surface to ensure the grout does not penetrate the porous surface of the tiles. If using an acid based treatment to clean the tiled and grouted area, we strongly recommend trying a test area first. Acid based products can cause discolouration to the grout.



ADVANTAGES:

- 2mm – 15mm Joint Widths
- Anti Mould Technology
- Shrink Resistant
- Flexible, for use on timber substrates and under floor heating
- Single part, simply mix with water
- Internal and External use
- Use in showers, wet rooms and swimming pools
- High Durability
- Bead Effect

TILES:

- Ceramics
- Porcelain
- Natural Stones
- Mosaics
- Glass
- Composite
- Quarry
- Terracotta

SUBSTRATES:

- Concrete / Screed
- Bitumen / Asphalt
- Plywood
- Chipboard
- Under Floor Heating





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PREPARATION:

Before grouting the tile joint, ensure the tile adhesive has set and dried, and that the tiles are firmly bonded to the substrate. Under normal circumstances, standard set adhesive should be left for 24 hours and rapid set adhesive 3 hours before grouting commences. Ensure the tile joints are clean, free of dust and other contaminants. Excess adhesive should be removed from the joints while still fresh.

MIXING:

It is recommended to use a low speed mechanical mixer. Gradually add Grout 3000 to clean water in a clean mixing vessel and mix thoroughly until a smooth, creamy, consistent mortar is achieved. After mixing, allow the mix to stand for 2-3 minutes and briefly re-stir before use, add more powder at this stage if required. As an approximate guide for powder to water ratio, 1kg of powder requires 350ml of water.

Once mixed, the grout remains workable for approximately 30 minutes at 20°C; however, this time will be extended by lower temperatures and shortened by higher temperatures. Do not add water after initial mixing as this will weaken the mix and could lead to cracking. It may also cause discolouration to the grout.

APPLICATION:

Using a rubber squeegee or a rubber float, work the mixed grout thoroughly into the joints ensuring they are completely filled. Excess grout should be removed as work proceeds by moving the rubber float diagonally across the tiles to prevent removal of grout within the joints.

WARNING: Residue left on the surface of the tile must be removed by wiping off with a damp cloth or sponge approximately 45 – 60 minutes after application. Any dry film can be removed by polishing off with a clean, dry cloth once the grout has hardened in the joint.

All material used during application such as tools and cloths must be clean and free of contaminants likely to cause staining to the grout. Clean tools immediately after use with clean water.

EXTERNAL AREAS:

Ensure the tile adhesive is completely set before grouting begins. Follow the application instructions above. Do not apply when rain is imminent and once grouting is complete, protect the grouted area from rain/wet conditions for 24 hours.

READY FOR USE:

Grout 3000 will reach final set after 24 hours at 20°C and may be put into service. Wet areas such as showers, wet rooms and swimming pools must be left 3 days before coming into contact with water.

Coverage chart per 5kg unit of Grout 3000

Tile Size (mm)	3mm Joint Width	6mm Joint Width	12mm Joint Width
Mosaic:			
24 x 24 x 10	1.2m ²	0.6m ²	0.3m ²
150 x 150 x 8	10m ²	5m ²	2.5m ²
300 x 300 x 10	17m ²	9m ²	4.5m ²
600 x 600 x 10	30m ²	15m ²	7.5m ²

HEALTH AND SAFETY:

Risk of serious damage to eyes. Contact with dry or wet product may cause irritation, dermatitis or burns. Wear suitable protective clothing, impervious rubber or plastic gloves and goggles. Use a light mask if excessive dust is unavoidable. If product comes into contact with skin, wash immediately with plenty of clean water. If product comes into contact with eyes, wash immediately with plenty of clean water for 10 to 15 minutes and seek medical attention. Keep out of reach of children. The information above is given voluntarily and in good faith. It is to the best of our knowledge true and accurate however it may contain information which is inappropriate under certain conditions of use. The company cannot accept responsibility for any loss or damage due to inappropriate use, or the possibility of variations of working conditions and of workmanship outside our control.



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Standard Conformity	Conforms to BS EN 13888 Class: CG2
Joint Widths	2mm – 15mm
Open Time/Working Time	Approximately 30 minutes at 200C
Light Foot Traffic	Approximately 3 hours at 200C
Set Time	24 hours
Application Temperature	50C - 300C
Colours	Pure White, Jasmine, Beige, Limestone, Sandstone, Light Grey, Mid Grey, Brown & Charcoal
Pack Size	5kg
Storage	Store unopened, clear of the ground in cool, dry conditions and protect from excessive drafts.
Shelf Life	Stored correctly this product has a shelf life of approximately 12 months
Note	All work must be carried out in accordance with British Standard Code of Practice for floor and wall tiling BS5385

TECHNICAL NOTES:

Grout 3000 contains a reducing agent to control the level of Chromium VI. When stored correctly the activity of the reducing agent will be maintained and the product when mixed with water will produce no more than (0.0002%) 2ppm of Chromium VI of the total weight of the dry cement. Use of the product after the end of the declared shelf life may increase the risk of an allergic reaction.



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