micromax2

Antimicrobial wall & floor tile grout for joints 1mm to 20mm

DESCRIPTION

Rapid-setting, highly flexible, water/frost-resistant cementitious tile grout with built-in Microban® antimicrobial protection for walls and floors.

Use for

- Grouting porcelain, glazed and fully vitrified, glass and ceramic mosaics, marble and natural stone in dry and wet interior and exterior environments.
- For Joint widths: **1mm** to **20mm**
- Recommended for power showers, wet rooms, heated floors and timber floors.

Restrictions: NOT suitable for

- Swimming pools.
- *Food preparation/*storage areas,* Spas,* Jacuzzis, *Chemical Plants, Power Showers with body jets and areas requiring *waterproof grouting.

Further applications by using a BAL Epoxy Grout.

- Can be used on single layer timber floors by adding 2 parts water to 1 part BAL ADMIX GT1 by volume. For overlaid timber floors, i.e. minimum 15mm thick plywood or minimum 10mm thick tile backing boards the addition of BAL ADMIX GT1 is not required.
- When grouting soft glazed wall tiles or tiles with a metal décor or lustre, care should be taken to ensure they are not damaged/ scratched. If there is any doubt, a test area should be grouted first in an inconspicuous area.

USAGE & SERVICE CONDITIONS

Walls	✓	Floor	✓
Interior	✓	Exterior	✓
Dry	✓	Wet (3)	✓
Worktops (1)	✗	Showers (a)(1)(3)	✓
Swimming Pools	✗	Limited Movement / Vibration	✓

APPLICATION AREAS

Leisure Centres	✓
Bathrooms	✓
Changing Rooms	✓
Restaurants/Food Consumption Areas	✓
Domestic Kitchens	✓
Shopping Malls	✓

PRODUCT INFORMATION

Composition: Rapid-setting highly polymer-modified cement-based powder with built-in Microban®.

Colours:

- Core range:
(Tranquil Tones:) **Snow, White, Jasmine, Manilla, Pebble.**
(Warm Woods:) **Walnut, Hazel, Mahogany.**
(Graphic Greys:) **Gunmetal, Smoke, Dovetail, Tornado Sky, Taupe Grey, Storm Grey, Anthracite, Ebony.**

- 'Inspiration' collections (available at Topps Tiles only):
Antique White, Lime, Praline, Pecan, Coffee, Cedar, Brooklyn, Cement, Graphite, Ash, Jade, Sky, Bush, Natural Light, Stonewash Blue, Powdered Rose.

- Regal Collection (available at Topps Tiles only):
Regal Grey, Regal Smoke, Regal Vanilla, Regal Ash.

For large projects, bespoke colours are available upon request.

Type/Classification: Exceeds BS EN 13888 **CG2WA** – Cementitious Grout with Improved / Additional Characteristics, Reduced Water Absorption and High Abrasion Resistance.

Pack sizes: 2.5kg, 5kg, 10kg (Note: certain sizes may not be available for all colours)

Key Features:

- Sets in 2-3 hours: enables faster completion
- Efflorescence-free formulation: minimises risk of patchy discolouration. Water/frost-resistant. Built-in admixture for increased flexibility and enhanced durability. Ensures clean, even finish for grout joints.
- **Set in**: 2 -3 hours (at 20°C)

Microban® antimicrobial protection: inhibit growth of bacteria (e.g. Listeria, Salmonella, E-Coli) and black mould. Provides added hygiene protection for bathrooms, showers and food consumption areas. Active biocide used to treat the article: 2-Octyl-2H-isothiazol-3-one.

(1) Tiles must be grouted using BAL EASYPOXY AG for Food preparation /storage areas power showers with body jets/Spas/Jacuzzis/Chemical Plants.
(2) Tiles must be grouted using BAL EASYPOXY AG for wave pools.
(3) In wet conditions tank out with BAL TANK IT or BAL WATERPROOFING KIT FOR SHOWERS.

(a) Do not use shower for at least 2 weeks after completion of grouting – BS 5385: Part 4

** Drying time will be extended in colder temperatures, when fixing to impervious backgrounds or when fixing tiles of low porosity.
^^Coverage may vary dependent on mixed grout and application.
*** Cured grout.

SURFACE PREPARATION

General
Before grouting, ensure that:
1. Tile adhesive has fully set, as indicated on adhesive packaging or BAL TECHNICAL DATA SHEET.
2. Open joints clear from excess adhesive and are protected from contamination – and are clean, dry and free from loose debris.
3. Be consistent with the amount of clean cold water used with the cement based grout from mix to mix when grout larger areas.
4. Lighting conditions during the installation of tile fixing and grouting should not be 'Appreciably different' from the final (Permanent) lighting. Where possible, check the grout colour with the final lighting conditions.
5. Check colour consistency when using the same grout when applied between different tile types i.e. porous bodied or porous stone tiles vs. porcelain or denser stone.

IMPORTANT NOTE: Do NOT use in temperatures below 5°C or in damp conditions.

If grouting porous tiles in temperatures above 25°C, dampen joints with clean water prior to grouting.

If grouting externally, provide protection against inclement weather during grouting and for as long as possible afterwards.

If grouting shower installation, BAL MICROMAX2 is water-resistant but NOT impervious to water and not a substitute for waterproof systems.

Recommendations:
- Provide waterproof tanking protection for tiling background substrates, particularly plaster or plasterboard (e.g. by using BAL TANK IT or BAL WATERPROOFING KIT FOR SHOWERS).
- Ensure tiles are fixed with a solid bed with a water-resistant adhesive (e.g. BAL WHITE STAR PLUS, BAL GRIP PLUS, BAL MAX FLEX FIBRE or BAL SINGLE PART FLEXIBLE).

MIXING
Use a BAL MIXING BUCKET or other suitable bucket.
1. Slowly add approximately 5 parts powder to 1 part clean cold water by weight. (see table below)
2. Mix until lump-free mortar achieved.
3. Allow mixed grout to stand for 2-3 minutes before re-mixing for 30 seconds. Avoid entraining air by mixing at too high speed or by over

Product Size	Usage	Approx., clean cold water required per size
2.5kg	Wall and floor areas	0.475 litres
5kg	Wall and floor areas	0.950 litres
10kg	Wall and floor areas	1.9 litres

NOTE: *If using electric drill mixer*, blend at slow speed (i.e. under 300rpm). Ready for immediate use. Pot life at 20°C: approx. 30 minutes.
NOTE:
Pot life/setting time will vary slightly with temperature: higher temperatures = shorter; lower temperature=longer.
Do NOT add more water to mixed grout as this would reduce final strength.

APPLICATION
Grouting procedure
1. Check potential staining risk: apply grout to a few tiles in small trial area. If discolouration occurs of difficulties are encountered with cleaning off (surplus grout), apply BAL PROTECTIVE SEALER- and repeat trial.
2. Work in small areas with a BAL GROUT FLOAT or squeegee. Completely fill tile joint with mixed grout and compact well, removing excess grout from tile surface as work proceeds.
3. Allow approx. 15minutes for grout to dry (at 20°C) or when the surface of the grout is dry enough to the touch (NOT fully set/Cured).
4. Using a dampened sponge or sponge board, clean surface diagonally to grout lines. Rinse out sponge/sponge board frequently with clean water. NOTE: Do NOT allow water to entre un-grouted joints.
5. When grout has set sufficiently within joints, polish tile surface with dry clean cloth. NOTE: For maximum speed/easy, use a BAL WASH BOY.
6. Clean any remaining light haze from the surface next day, using water and a BAL EMULSIFYING PAD and gripper.
7. Wait minimum 3 hours before subjecting tiles to normal service conditions.

If completing a shower, do NOT use shower for at least 2 weeks.

CLEANING
Always use cleaning products suited to tile type. For best long-term antimicrobial protection, regular cleaning with BAL MICROSHILD TILE CLEANER (with Microban® antimicrobial protection) is recommended.

MIX/USAGE DATA

Powder:Water Ratio	Pot Life at 20°C	Cure Time at 20°C * *	Specific Gravity
5:1	>30 mins	2-3 hours	1.45/cm³

COVERAGE

Tile Size	Joint Width	Coverage ^^
200x100x6mm	2mm	3.59m²/kg
400x400x8mm	3mm	5.30m²/kg
600x600x8mm	1mm	23.59m²/kg

TEMPERATURE RESISTANCE***

-30°C to 100°C

HEALTH & SAFETY INFORMATION / GOOD PRACTICE ADVICE

For detailed information and safety guidance, please refer to Product Material Safety Data Sheet [MSDS].

TECHNICAL ADVISORY SERVICE

For free expert guidance on use of this product, or any aspect of tiling, contact the BAL TECHNICAL ADVISORY AND SPECIFICATION SERVICE on Tel: 01782 591120 or 0845 600 1 222 or Fax: 01782 591121.

POWERSPEC

A unique computerised online specification system for the design and installation of ceramic, mosaic and natural stone tiling.

Visit www.powerspeconline.com

SHELF LIFE

12 months under normal dry conditions. Protect from frost and damp.

QUALITY AND ENVIRONMENTAL STANDARDS

Manufacturing quality assurance standards conform to BS EN ISO 9001. Satisfies the environmental management requirements and operational scope of ISO 14001.

25 YEAR GUARANTEE

All BAL products are supplied with a 25 year product guarantee to be free from manufacturing defects and to be fit for purpose. The guarantee covers materials replacement costs and labour.

This guarantee is subject to use of product in accordance with BAL's instructions and technical data, and good working practice. No liability can be accepted for any loss or damage arising from incorrect use of products or poor workmanship, over which BAL has no control. 10 year anti-fungal guarantee subject to regular cleaning.

Contact BAL Marketing Department for full details.

CONDITIONS OF SALE

Sold subject to the Company's Conditions of Sale. *Available on request.*

For sales and technical queries, contact:

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NOTE: BAL reserves the right to update instructions, technical data and other information at any time without notice.

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