

turbo set

Exclusive to
Topp's Tiles

Ultra rapid setting, flexible cementitious wall & floor tile adhesive

DESCRIPTION

Polymer-modified water/frost-resistant cementitious extremely rapid-setting tile adhesive for walls and floors.

Use for

- Fixing ceramics; porcelain and vitrified tiles; mosaics; certain types of natural stone including marble*, terrazzo and granite; rigid foam insulating materials and brick slips in dry or wet interior and exterior environments.
- Recommended for total immersion areas/showers. Also suitable for installations subject to limited movement and vibration and heated screeds.

Restrictions:

- *Certain types of natural stone (i.e. limestone, travertine, granite and some marble) may be susceptible to staining. In this case, use of a BAL rapid-setting white adhesive e.g. BAL TURBO SET WHITE or BAL RAPID-FLEX FIBRE PLUS WHITE is recommended.
- NOT suitable for metal, painted or glazed tile/brick surfaces.

PRODUCT INFORMATION

Composition: Highly polymer-modified cement-based powder.

Colours: Grey or White

Type/Classification: Exceeds BS EN 12004 C2F

Pack sizes: 5kg

Key features:

- Allows fast track completion of projects with the ability to grout tiles after just 30 minutes at 20°C (working time 15 minutes).
 - Ideal to finish last 1-2m² of tiling to allow same day grouting or to fast-track minor repairs
 - Flexible; Suitable for most backgrounds and for installations subject to limited movement/vibration and heated screeds.
 - Enhanced adhesion to fully vitrified/ porcelain tiles and low porosity substrates. Highly water/frost-resistant.
- Grout after:** 30 minutes at 20°C

USAGE & SERVICE CONDITIONS

Walls	✓	Floor	✓
Interior	✓	Exterior	✓
Dry	✓	Wet	✓
Worktops	✓	Showers (1)	✓
		Heated	✓
		Screeds	✓
Limited Movement / Vibration	✓		

- (1) Do not use shower for at least 2 weeks following completion of grouting – BS 5385:Part 4:2009, clause 7.2.1.
- (2) Provided surface is sufficiently flat.
- (3) Prime with two coats of BAL PRIMER. The first coat diluted 1:1 by volume with water and the second coat undiluted
- (4) Direct fixing in dry conditions only.
- (5) In wet conditions tank out with the BAL WATERPROOFING KIT FOR SHOWERS or BAL WATERPROOF PLUS.
- (6) Check suitability of sheets for the intended purpose with the manufacturer.
- (7) Flooring grade only.
- Not recommended for use on paint, metal, wooden backgrounds or glazed tiles/bricks.
- (8) Screed not recommended in wet areas

BACKGROUNDS / BASES

Brick / Concrete (2)	✓
Rendering	✓
Light Blockwork (2) (3) (4)	✓
Plaster (3) (5)	✓
Plasterboard (5)	✓
Tile Backer Boards (6)	✓
Fibre Cement Sheet (6)	✓
Cement:sand Screeds	✓
Anhydrite Screed (3) (8)	✓
Plywood Overlay (2)	✓
(Floors Only)	
Vinyl Tiles	✓
Unglazed Ceramic Tiles	✓
/ Hard Natural Stone	
Mastic Asphalt (7)	✓

USAGE: Bed Thickness / Time at 20°C

Bed Thickness [^]	Open Time [*]	Pot Life	Setting Time [*]
2 to 10mm [^]	10 min	15 min	30 min

*Setting times extended in colder temperatures, when fixing to impervious backgrounds or when fixing tiles of low porosity.
^ Up to 15mm in areas of limited extent. Use minimum 3mm for floor tiling.

COVERAGE

Area	Trowel	Coverage ^{^^}
Dry Wall	Round Notched	0.5m ² per kg
Wet Wall	Thin Bed Solid Bed	0.4m ² per kg
Exteriors / Floors	Thick Bed Solid Bed	0.26m ² per kg

^{^^} May vary dependent on nature and flatness of surface, and on the trowel used.

TEMPERATURE RESISTANCE

-30°C to 100°C

SURFACE PREPARATION

General

Ensure surfaces to be tiled are flat, clean, dry, sound and free from contamination.

In shower areas: waterproof background BAL

WATERPROOFING KIT FOR SHOWERS or BAL WATERPROOF PLUS.

SUITABLE SURFACES include:

Asphalt (suitable grade e.g. flooring)

Must be of a suitable grade, be clean, in sound condition (without brittleness, softening, etc.) and have adequate cohesive strength, a natural float finish and laid on a firm rigid base.

Ensure that surface is sufficiently regular to suit bedding depths of adhesive.

Clean thoroughly to remove surface dirt using warm water and a suitable detergent. Remove all detergent residues with clean water.

Concrete; cement:sand screeds and rendering

Before tiling, allow the following minimum drying times:

- Concrete/concrete block walls/clay brickwork: 6 weeks
- Cement:sand screed: 3 weeks
- Cement:sand rendering: 2 weeks (3 weeks for swimming pools)
- BAL QUICKSET CEMENT:sand renderings and screeds: 4 hours for bonded screeds
48 hours for unbonded / floating screeds
- BAL QUICKSET RENDER: 2 hours

Existing unglazed ceramic tiles, quarry tiles, terrazzo and natural stone

Ensure existing tiles/bricks are soundly bonded to a stable background that is sufficiently strong enough to support the weight of the new tiling.

If areas are loose or hollow-sounding, remove and make good using BAL QUICKSET RENDER or with 1:3 cement: sand mortar over a slurry bonding coat (2:1 cement: BAL BOND SBR by weight).

Existing vinyl tiles

Ensure these are in good sound condition and securely bonded to their base.

Remove loose or damaged tiles/areas of sheet along with any loose or soft adhesive.

Remove any polishes, wax, grease etc. with a suitable proprietary cleaner.

NOTE: Cushioned types of flooring are not suitable and must be completely removed along with the adhesive residue prior to tiling.

Fibre reinforced cement boards and lightweight tile backer boards

Install boards to BS 5385. Moisture-resistant boards may be screw fixed to seasoned timber or suitable proprietary framework at maximum 300mm centres vertically and horizontally and ensure no fixings protrude.

Some boards may require priming, prior to tiling with a cementitious based tile adhesive. Use a suitable primer from the BAL range. Please refer to the relevant BAL Technical Data Sheets for further information.

IMPORTANT NOTE: Obtain manufacturer's confirmation that boards are suitable for tiling and for relevant fixing instructions.

Overlaid timber floors (min. 15mm)

Ensure timber floor (i) is sufficiently rigid and stable to receive tiles; (ii) can carry the additional load without excessive deflection; and (iii) has adequate ventilation under the timber. Overlay existing timber floor with exterior (marine or WBP) grade plywood, min. 15mm thick, screwed (not nailed) at 300mm centres.

Seal timber on back face and edges with neat BAL BOND SBR priming agent. Allow to dry.

Plaster (finish coat only)

Must be at least 4 weeks old before tiling. Ensure that the plaster is free from dust, laitance and friable material.

If *plaster is shiny or polished*, brush thoroughly with a stiff bristled brush.

The plaster must always be primed with 2 coats of (second coat applied at 90° to the first):

- BAL PRIMER (undiluted) or
 - BAL BOND SBR (diluted 1:2 by volume with clean water)
- Allow each coat of primer to dry.

Weight restrictions for tiling onto plaster i.e. a maximum weight of 20kg/m².

Plasterboard (If required)

Ensure boards are dry, securely fixed and rigid.

Note: if the plasterboards are dot and dabbed at 300mm centres and around the perimeter, leave to dry before fixing tiles.

Priming is not required.

Undertile electrical heating systems

Can be used onto electrical undertile heating systems encased within an appropriate floor levelling compound. Install over suitable proprietary tile backing boards/exterior grade plywood overlays (minimum 15mm thickness) as per the heating manufacturer's advice.

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MIXING

Use a BAL MIXING BUCKET or other suitable bucket.

1. Add approximately 5 parts powder to 1 part clean cold water by weight.
2. Mix until lump-free mortar achieved.

Product Size	Usage	Approx., clean cold water required per size
5kg	Wall & Floor Tiling	1 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. 15 mins.

NOTE: Working time/setting time will vary slightly with temperature: higher temperatures = shorter; lower temperatures = longer.

APPLICATION/USAGE

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

Trowel recommendations

(Dry areas) BAL ROUND NOTCHED TROWEL

(Wet areas) BAL THIN BED SOLID BED TROWEL

(For exteriors and floor) BAL THICK BED SOLID BED TROWEL

Fixing procedure

1. Apply adhesive to wall or floor surface and comb to required bed thickness depth of 2-10mm, but up to 15mm in limited, localised areas. Ensure ribs in adhesive all run in one direction.
If fixing large/heavily-patterned tiles, apply additional adhesive to tile reverse.
2. Press tile firmly into the ribs of the adhesive and into position, with slight twisting/sliding action to ensure optimum adhesive contact.
3. Occasionally lift a tile to check adhesive contact area. When solid-bed fixing, leave no voids behind tiles.
4. Fix tiles before adhesive forms skin. If skin has formed, remove adhesive and apply fresh layer.
5. Discard any adhesive that has begun to set. Do not add further water.
6. Leave adequate joints between individual tiles. Install movement joints to BS 5385, Parts 1-5.
7. Clean off surplus adhesive from tile face and between tile joints.

Grouting

8. Grouting can begin after 30 minutes at 20°C. Select a BAL grout such as BAL MICROMAX2 GROUT that is suitable for the specific location/environment/function.
9. Fill movement joints with suitable sealant i.e. BAL MICROMAX SILICONE SEALANT. *However*, do NOT use on sensitive surfaces that could react to acetic acids released during cure.

For intermediate movement joints, a more durable hard wearing material may be needed (e.g. an Epoxy polysulphide sealant).

NOTE:

If completing a shower, do NOT use shower for at least 2 weeks (as required by BS 5385: Part 4, clause 7.2.1).

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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