

# bedding mortar

**Pre-blended cement with graded fillers to provide a mortar bed.**

## DESCRIPTION

BAL BEDDING MORTAR is a special cement with graded fillers for producing a mortar bed for external use, which allows external pavers and tiles to be fixed to the requirements of BS 7533-4.

### Use for

- External Dry or Wet Applications
- Laying a mortar bed before fixing external pavers and tiles
- Bed depth from 10mm (Min 25mm on MOT Type 1) up to 100mm thickness
- Domestic or commercial use.

### PRODUCT INFORMATION

**Composition:** Pre-blended polymer-modified cement and graded fillers

**Colour:** Grey

**Type/Classification:** Conforms to requirements of BS 7533-4

NOTE: For the latest technical or safety information on this product, refer to the latest product TDS and MSDS.

**Pack size:** 25kg

### Key features:

- Can be laid from 10mm-100mm
- > 1hr working time at 20°C
- Walkable in 12 hours
- Freeze/thaw resistant
- Just mix with water

**Pave after:** Paving should begin immediately

### USAGE & SERVICE CONDITIONS

Walls	✗	Floor	✓
Interior	✗	Exterior	✓
Dry	✓	Wet	✓
Swimming Pools*	✗	Limited Movement / Vibration	✓

\*Can be used on areas outside of Swimming pools i.e., surrounds.

### BACKGROUNDS / BASES

Concrete (Bonded)	✓
Type 1 MOT (Unbonded)*	✓

\*Type 1 MOT must be minimum 100mm suitably compacted base.

### USAGE: Bed Thickness / Time

Bed Thickness	Pot Life	Setting Time
10mm – 100mm	>1hr	12 hours at 20°C

### TEMPERATURE RESISTANCE\*\*

-30°C to 100°C

\*\* Once cured

## PREPARATION

### General

Substrates to receive **BAL BEDDING MORTAR** should be of a suitable Type 1 MOT grade laid to the correct depth and be fully compacted. The sub-base should be stable and not liable to settlement. The application thicknesses detailed above relate to rigid, stable substrates.

All external pavers and tiles should be free of standing or pooling water. This is usually achieved by sloping the external pavers and tiles in one direction to guide the surface water towards a suitable disposal point, i.e., a gully, linear drain, or the edge of the terrace or patio, but wherever possible, surface water is directed away from any buildings. All external pavers and tiles require a stable base.

### MIXING

25kg **BAL BEDDING MORTAR** should be mixed with 2 litres of water to provide a semi-dry consistency.

When a sample of mixed mortar is squeezed in the hand, the sample should retain its shape and not crumble, the gloved hand being left slightly moist.

When a sample is compacted on the base, no film of water should form on the surface.

Mixing should be carried out using a pan, trough or other forced action type mixer. please note: Normal 'free-fall' mixers are not suitable for mixing semi-dry screed mortars. Use clean equipment and do not use other cement, lime or screed additives etc., in the mix.

### PREPARATION

For an unbonded mortar bed laid on a Type 1 MOT sub-base or as a semi-dry bonded screed onto a mature concrete base in an external environment, it is good practice to ensure that adequate falls have been introduced into the sub-grade or concrete. This is to allow water to drain away on the paving, thus avoiding any ponding. Where the patio is adjacent to the house, particular attention should be paid to drainage, and the patio's height must be significantly below that of any damp proof courses. It is important to note that the supporting sub-base is stable and not liable to settlement.

Note: When applying to concrete substrates and Type 1 MOT sub-bases, the concrete substrate or Type 1 MOT sub-base should be primed with 2-3mm of **BAL PRIMING SLURRY BOND** with the mortar applied to the wet slurry. Further advice may be found in the relevant British Standard.

The working time of the mixed mortar is in excess of 1hr at 20°C. The amount of mortar mixed and the area to be screeded should be limited so that trowelling off, finishing and tile fixing can be completed within the working time. Where a new bay is laid against a set and hardened mortar bed, it is recommended that such daywork joints are vertical and treated with the **BAL PRIMING SLURRY BOND**, with the **BAL BEDDING MORTAR** applied onto the wet slurry.

### THICKNESS

On concrete substrates, **BAL BEDDING MORTAR** should be applied as required between min. 10mm to max. 100mm thicknesses.

On Type 1 MOT sub-bases, **BAL BEDDING MORTAR** should be applied as required between min. 25mm to max. 100mm thicknesses. Substrates to receive **BAL BEDDING MORTAR** should be of a suitable Type 1 MOT grade laid to the correct depth and be fully compacted.

The sub-base should be stable and not liable to settlement. The application thicknesses detailed above relate to rigid, stable substrates.

### INSTALLATION: FIXING PAVERS/TILES

To fix an external paver or tile, when the mortar is still wet (<1hr at 20°C), apply **BAL PRIMING SLURRY BOND** to the mortar using a brush, roller or trowel. Also, apply **BAL PRIMING SLURRY BOND** to the back of the porcelain tile to give 100% coverage and a total slurry depth of 2-3mm before bedding the porcelain tile into the wet mortar. Adjust the position of the porcelain as required and tap in using a rubber mallet. Apply **BAL BEDDING MORTAR** at temperatures of a minimum of 5°C and rising.

Product Size	Usage	Approx., clean cold water required per size
25kg	Floors	2 litres

**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.

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*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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