

Flexbone 2Easy

Unique, loose-laid, floating uncoupling mat for unprepared and difficult substrates

DESCRIPTION

BAL FLEXBONE 2Easy is a loose laid uncoupling mat. Providing a floating system over difficult substrates i.e. bitumen, anhydrite screeds for new tiling, it is also ideal to protect existing floor coverings.

USE FOR

- Ideal for the installation of large format ceramic and porcelain tiles, slabs & natural stone with a minimum edge length of 200mm.
- 100% uncoupling loose lay mat without the need to bond to the substrate.
- Can be used on most internal and difficult floor substrates, providing the surface is flat.
- Counteracts and therefore minimises tension stresses between substrate and rigid floor finish to be installed.
- Prevents reflective cracking caused by shrinkage cracks, board joints and lateral movement.
- Provides crack bridging and allowing a safe installation onto challenging substrates.
- Suitable for internal flooring; renovation and new construction, domestic and commercial areas in medium duty applications.
- Suitable for light trafficked commercial areas such as office walkways, department store concessions, trade show stands etc.
- Suitable for car showrooms, if cars are manually moved (not driven) onto completed tiled floors.
- Recommended for heated floors, new cement screeds, rigid and deflection free timber and existing load bearing floor surfaces.

Restrictions: NOT suitable for

- Exterior environments
- Substrates with deflection (vertical movements).
- Uneven floor surfaces.
- Bridging movement joints.
- Heavy traffic areas.

PRODUCT INFORMATION

Colour: Grey

Pack sizes: 20m rolls / 5 x 2m sheets

Sheet Width: 1m plus 50mm overlapping

Sheet Thickness: 3mm

Sheet Weight: approx. 1.8kg/ per sheet

Roll Weight: approx. 18kg

Additional Benefits:

- **Fast-installation:** Preparation of level, solid floors only requires a simple sweep of the floor. No removal of residue, laitance or priming required with immediate tiling to contaminated and stained floors, wooden floors, cracked screeds and mixed substrates.
- **Significantly reduced labour time and costs:** Minimal preparation (above) with no residue remover, tools or adhesive required to bond down the mat.
- **Fast-track tiling for fresh screeds:** laid on sand:cement screeds when they are ready to be walked on, or new anhydrite screeds that aren't fully cured (at 1.5% CM residual moisture, instead of 0.5% CM residual moisture).

Tiled surface can be easily removed and replaced: perfect for rental properties, heritage projects and retail stores as well as domestic projects.

Can be stored for approx: 24 months in dry rooms, away from direct sunlight.

TEMPERATURE RESISTANCE

-30°C to 70°C **N.B** Tiling should not be carried out below 5°C

USAGE & SERVICE CONDITIONS

Walls	×	Floor	✓
Interior	✓	Exterior	×
Dry	✓	Wet	×
		Shower Floors	
Movement			
Vibration	✓	Heavy Duty	×
Medium Duty	✓	Heated Floors	✓

APPLICATION AREAS

Concrete substrates	✓
Screeds (include new green screeds)	✓
Timber subfloors	✓
Vinyl floor coverings	✓
Existing and cracked tiles	✓
Fresh, slightly damp concrete	✓
Fresh, calcium sulphate screeds	✓

SURFACE PREPARATION

General

Ensure surfaces to be tiled are flat to SR1 tolerance as recommended in BS 5385: Part 3. The surface must be levelled to SR1 prior to installation.

Substrates must be load-bearing, pressure resistant, level and even, and free of deflection.

The BAL FLEXBONE 2Easy is suitable for bridging static cracks providing differences in height can be excluded.

Always ensure the correct BAL adhesives and BAL grouts are selected for the installation.

BAL FLEXBONE 2Easy can be used in internal domestic and Medium duty dry floor areas.

IMPORTANT NOTE: Do NOT install BAL FLEXBONE 2Easy or tiles in temperatures below 5°C.

TILES

Ceramic tiles should be a minimum of 200mm x 200mm x 10mm.

Porcelain tiles should be a minimum of 200mm x 200mm x 8mm.

Natural Stone should be a minimum of 200mm x 200mm x 15mm.

AREAS OF APPLICATION

See below some of the main substrates BAL FLEXBONE 2Easy can be just laid loose. BAL FLEXBONE 2Easy can be used on most floor background types providing the surface is level and flat, brushed clean, suitably load-bearing and pressure resistant.

- New and existing cement:sand screeds/concrete.
- Calcium Sulfate/Anhydrite (Gypsum) based screeds**.
- Bitumen Surfaces and Mastic Asphalt screeds*.
- Wooden Surfaces*.
- Substrates with problem adhesion such as contaminated areas.
- Ideal for heritage floor areas where floors must be protected.

*For further information speak to the BAL Technical Advisory Service.

**Up to 1.5%CM residual moisture content.

Surface regularity

Surface Regularity is defined as the deviation in height of the surface over short distances in a local area. In simpler terms, it is the 'flatness' or 'measure of unevenness' of the surface. BAL LEVEL MAX may be used to correct floors to SR1 (+ or - 3mm or less over a 2meter straight edge).

APPLICATION

1. The substrate must be even, load bearing and swept free from debris.

Only if necessary, the floor can be levelled using a suitable BAL smoothing and levelling compound such as BAL LEVEL MAX and primed with BAL PRIME APD.

2. Roll out the BAL FLEXBONE 2Easy with the mesh side up from the corner and cut them precisely to the required length and sizes as required for the floor. Trim off any excesses around up-stands using scissors or a utility knife. Note: leave a 6mm movement joint around the perimeter or use BAL AquaDrain Edge foam strip.
3. The overlapping mesh cover the joints between the length. Where additional rolls / membrane is needed on the floor, ensure the separate membrane are butt jointed at the edges but not overlapped. To join all adjacent construction elements, BAL FLEXBONE 2Easy is to be laid with an expansion joint. To ensure freedom of movement of the subsequent covering structure. Tape all movement joints using BAL Watec BW-50 self-adhesive tape to protect against the entry of the wet adhesive bedding material during the installation.
4. Apply the BAL AquaDrain ST-10 self-adhesive tape to all FLEXBONE 2Easy membrane edges, joints and roll ends.
5. To apply tiles, mix and apply the BAL flexible adhesive to the mat using a THICK BED SOLID BED TROWEL. If using a LARGE FORMAT TROWEL, ensure the final bed thickness of the tile adhesive does not exceed 5mm over the BAL FLEXBONE 2Easy.
6. Once the BAL Flexible tile adhesive is dry, grouting can be started such as BAL MICROMAX2 GROUT and using BAL MICROMAX SEALANT for all perimeter and intermediate movement joints. tiles onto the mat to avoid de-bonding the mat.
7. Ensure you follow all required fixing instructions for the adhesive used and all applicable industry standards.

Undertile Floor Heating

The background must be suitably load bearing and free from any deflection. Ensure the heating system is installed correctly in accordance with the heating manufacturer's recommendations. All electrical undertile heating elements must be encapsulated within a BAL levelling compound i.e. BAL LEVEL MAX. Allow to dry before installing BAL FLEXBONE 2Easy.

Heated Cement: Sand Screeds

- Allow cement: sand screeds to dry for a minimum of 3 weeks (at 20°C) and conditioned in accordance with BS requirements
Please refer to the BAL QUICKSET CEMENT data sheet for typical drying times.

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

48 months under normal dry conditions. Protect from frost, damp and sunlight.

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. *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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