

# 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 and 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 and natural stone with a minimum 200mm x 200mm format size.
- 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 (SR1 minimum).
- 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.
- Allows 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.
- Cement:sand screed subjected to curling
- Bridging movement joints.
- Heavy traffic areas.
- When using some levelling clip systems (which lift up the tile edges).

## 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 cement:sand screeds when they are ready to be walked on, or fresh calcium sulfate screeds up to a maximum of 1.5% 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	×
Light/Medium Duty	✓	Heated Floors	✓

## APPLICATION AREAS

Concrete substrates	✓
Cement; sand screeds (includes new green screeds when walkable)	✓
Timber subfloors	✓
Existing Vinyl floor coverings	✓
Existing and cracked tiles	✓
Fresh, slightly damp	

## SURFACE PREPARATION

### General

Ensure surfaces to be tiled are flat to SR1 tolerance as recommended in BS 5385: Part 3.

Substrates must be load-bearing, pressure resistant, level and even to SR1, 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 commercial 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

BAL FLEXBONE 2EASY can be loose laid 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 existing 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 a surface. 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 (3mm or less under a 2 metre straight edge).

### Undertile 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.

## 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.*

2. Roll out the BAL FLEXBONE 2EASY with the blue mesh side up. Roll out from the corner and cut 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. Butt joint the edges of the BAL FLEXBONE 2EASY. The overlapping blue mesh covers the joints between the roll lengths. BAL FLEXBONE 2EASY is to be laid with all necessary expansion joints in place. To ensure freedom of movement of the subsequent covering structure, tape all movement joints using a suitable proprietary self-adhesive tape to protect against the entry of the wet adhesive bedding material through the joints onto the existing floor during the installation.
4. Apply the BAL Wattec ST Seam Reinforce Mesh Tape to all FLEXBONE 2Easy roll end joints.
5. To apply tiles, mix and apply a 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, select a suitable grout such as BAL MICROMAX2 GROUT. BAL MICROMAX SEALANT may be used for all perimeter movement joints (but not for acid-sensitive tiles.)
7. Ensure you follow all manufacturer installation instructions for the adhesive used and all applicable industry standards.

### Heated Cement: Sand Screeds

- Allow Portland cement:sand screeds to dry for a minimum of 3 weeks (at 20°C) and commission heating system in accordance with BS requirements prior to tiling.

When using BAL Quickset Cement, 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](http://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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