

Whatever your project –

BAL have the uncoupling solution for you

At BAL we know that a one-size-fits-all approach to uncoupling isn't always what you're looking for. Each and every project has different requirements. Maybe height build-up is an issue, perhaps time is an issue, or the substrate is particularly troublesome. It could be that you aren't looking for a mat and want an adhesive that has uncoupling and anti-fracture properties.

Cavities or no cavities, lightweight or floating, water-proof or not – we have the uncoupling solution for you!

BAL Flexbone VArIed

Bonded waterproof uncoupling mat with GripLock technology

BAL Flexbone 2Easy

Floating uncoupling mat for unprepared substrates with unique ventilation properties

BAL Rapid-Mat

Thin, lightweight bonded uncoupling mat with reduced adhesive consumption

BAL Single Part FastFlex

One-part elastomeric tile adhesive for walls and floors

Whatever BAL solution you require, you'll also be backed with BAL's 25-year written guarantee, plus a host of free support services including:



- Free Technical Advisory Service – **03330 030160**
- Free on-site product and project support – **01782 591120**
- Free specification writing service
- Free sample testing service
- Free screed testing service

we've got it covered

Four uncoupling solutions for any problem floor.



Laying it all out

Why do I need to uncouple?

With today's requirements for faster installation of tiling and the use of more demanding substrates, uncoupling systems are needed more than ever.

Coming in many forms, they give tilers and contractors piece of mind when floor tiling. Designed to provide a protective layer when tiling onto floors, they protect against a variety of problems that can cause tiles to crack or de-bond.

One common problem is the potential for the substrate to contract or expand. In particular, newly-laid sand:cement screeds or concrete may contain large amount of moisture, which causes the screed to shrink as it evaporates. However, all substrates will expand and contract naturally due to humidity and/or temperature fluctuation and this is especially true where under floor or under-tile heating has been installed.

What's more, certain water-sensitive substrates, such as anhydrite screeds (or calcium sulphate) will lose their cohesive strength if they get wet. Wood is a hygroscopic material and this, therefore, increases the potential risk of dimensional changes occurring due to moisture expansion and drying shrinkage resulting in lateral movement stresses being generated between the board background and the rigid ceramic tile finish.

Any movement, whether shrinkage or expansion, can cause stress cracks that can transfer through to the tiled surface, causing the tile to either fracture, or de-bond from the background. Uncoupling systems help prevent these lateral stresses from transferring through to the tiled layer by absorbing these stresses and transferring them evenly over the floor.

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Flexbone VArIed

Flexbone 2Easy

Rapid-Mat

Single Part FastFlex

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BAL Rapid-Mat

The fast-track, easy install system with minimal height build-up

Traditional mats are thick, heavy and unnecessarily complicated. The typical mat is up to 4mm thick, with a lower layer of fleece, bonded by a mesh to a polyethylene upper layer. The upper side is covered with a grid of cavities or dimples.

BAL Rapid-Mat on the other hand is engineered with a structured inner mesh sandwiched between two identical outer layers, enabling substrate and tiling to move independently of each other.

Choose Rapid-Mat for:

- Ultra slim profile, less than 1mm thick, means minimal height build-up.
- No additional tapes for jointing.
- No cavities mean a saving of 45kg of adhesive per 30m roll. This reduces adhesive costs and saves mixing and installation time.
- Fast-track installation; tile as soon as mat is laid.
- Suitable for all trafficked installations – such as car showrooms, factories, shopping centres.
- Minimal compression with increased loading capacity on floors.

BAL Flexbone 2Easy

A unique floating uncoupling mat for unprepared surfaces

With no adhesive needed underneath, this is a truly uncoupled system!

Because it is floating, only basic preparation of the substrate is needed – simply sweep solid, level floors and lay.

- No removal of residue, no removal of laitance and no priming.
- Tile immediately to contaminated and stained floors, wooden floors, cracked screeds and mixed substrates.
- Fast-track tiling for fresh anhydrite and sand:cement screeds.
- Complete ventilation through perforations in the mat and covering joints.
- Save a massive 2kg/m² on adhesive compared to bonded mats. This reduces adhesive costs and saves mixing and installation time.
- Perfect for rental properties, heritage projects and retail stores as well as domestic projects.
- Tiled surface can be easily removed and replaced.

Perfect for light commercial and domestic projects, **BAL Flexbone 2Easy** is a game-changing uncoupling system saving you time and money on your floor tiling project!

BAL Flexbone VARied

A speedy solution for varied installations

BAL Flexbone VARied is a new fast-track bonded uncoupling mat system that can be used for a number of installations including heavy trafficked areas.

Flexbone has a number of unique features and benefits which make it stand out from traditional bonded cavity systems.

- Patented GripLock technology providing greatest adhesive strength.
- Unique bone structure enables high flexibility and excellent deformability.
- High shear strength provides for higher levels of lateral movement.
- Special fleece provides for vapour pressure compensation.
- Waterproof for use in wet areas such as bathrooms, showers and wet rooms. No additional tanking is needed under mat.
- Less adhesive required on the face of the mat, with circa 30% faster application of adhesive than other cavity mats.
- Perfect for high load bearing commercial projects such as shopping malls, airports, car showrooms, office buildings and hospitals.

BAL Single Part Fastflex

One-part S2 tile adhesive for walls and floors

If you don't want to lay a mat, but still need an uncoupling solution, then why not opt for BAL Single Part Fastflex.

Single Part Fastflex can be used on a number of substrates and is made with recycled rubber tyres that provide an in-built highly deformable layer between substrate and tile.

- Highly deformable, exceeds requirements for S2 classification.
- Recommended for areas with limited movement and vibration.
- Tile direct to steel, GRP, timber sheets and most other substrates.
- Semi-rapid, grout in 5 hours.
- Can be used with most tile types, including sensitive natural stone.
- White or Grey.
- Sound deadening – helps achieve requirements of Building Regs Part E (Resistance to sound.)