

FLEXIBOND

FLEXIBLE CERAMIC TILE ADHESIVE AND WIDE JOINT GROUT ADMIXTURE

Manufactured to a BS EN ISO 9002 quality assured system

- ✓ For internal and external applications on surfaces subject to movement
- ✓ General purpose primer
- ✓ Improved adhesion



ADDITIVES & PRIMERS

General Information

FLEXIBOND is an aqueous based copolymer dispersion for use as a flexible admixture with **THIN & THICK BED TILE ADHESIVE, VITRI-RAPID, FAST-SET** and **WIDE JOINT GROUT**, to form high strength, flexible, water resistant adhesives and grouts. It can be further used as a primer/sealer for various building materials, including **SHOWERPROOF** and **POWER SHOWERPROOF** ready mixed ceramic wall tile adhesives. The addition of **FLEXIBOND** to **BISCEM CEMENT BASED ADHESIVES** produces an adhesive suitable for use to fix ceramic tiles and mosaics in situations where:

- Surfaces are prone to minor movement or vibration.
- Direct fixing to glazed surfaces is required, e.g. tile on tile.
- Surfaces are moisture-sensitive, e.g. wood based substrates, without the necessity of priming these surfaces.

The addition of **FLEXIBOND** to **WIDE JOINT GROUT** produces a floor grout which is especially suitable for grouting ceramic tiles and mosaics in internal and external situations where:

- Surfaces are prone to minor movement or vibration.
- A fully water resistant grouting is required, to give added protection to surfaces that are moisture sensitive.

FLEXIBOND cannot be used with **BISGROUT WALL**. If a flexible, water resistant grout is required **VITRI-GROUT WALL** is recommended.

FLEXIBOND when used with the appropriate **BISCEM** product has a lower shear modulus than conventional cement based adhesive and grouts, more readily accommodating structural movement and vibration.

Surface Preparation

When fixing ceramic tiles and mosaics, surfaces must be sound, stable and clean, as described under the relevant **BISCEM** product information sheet. When grouting, tile joints should be dry, clean and free from any loose material.

Mixing

DIRECTIONS FOR USE AS A PRIMER/SEALER:

FLEXIBOND should be mixed with clean cold water to obtain the correct dilution. It should not be applied neat as 'skinning' may occur, leading to delamination at a later stage.

The mix proportions are approximately, by volume:

5 - 6 parts of water to 1 part of **FLEXIBOND**.

Apply to the substrate using a brush. Allow to dry. If the surface is still absorbent, apply a second coat.

FOR USE AS A FLEXIBLE ADMIXTURE:

Into a clean container, mix one volume of **FLEXIBOND** with one volume of clean water and slowly add, stirring thoroughly, the appropriate **BISCEM** product, until a mortar is produced of the desired consistency for fixing tiles or grouting.

Application

TILE FIXING:

The prepared **FLEXIBOND** adhesive mortar is applied in the same manner for fixing ceramic tiles and mosaics, as described in the relevant **BISCEM** product information literature.

When tiling onto moisture sensitive surfaces, it is advisable to apply the mortar at a minimum thickness of 3mm.

TILE GROUTING:

Apply the prepared **FLEXIBOND** grout mortar with a rubber squeegee, into the tile joints, ensuring that the mortar is thoroughly worked into the joints and that they are completely filled to the face of the tile. Remove surplus grout from the face of the tile, as work progresses, using a rubber squeegee and immediately clean off any remaining grout from the tile surface with a sponge and clean water.

Cure

- **FLEXIBOND** mortars should be applied at a temperature above 5°C.
- Grouting with prepared flexible grouting mortars may be carried out as soon as the tile bed is firm, usually after 24 hours at room temperature. However, this may be delayed in cold conditions.
- The setting time of adhesive is extended when mixed with **FLEXIBOND** by approximately 50%.
- The addition of **FLEXIBOND** to **WIDE JOINT GROUT** will darken the appearance by approximately 35%.

Caution

Do not allow any flexible tile adhesive or grout mortars to dry on the surface of the tiles, or it will prove difficult to clean off. In the event that the adhesive or grout is allowed to dry on the tile face, warm water will help in the cleaning process.

Coverage

When mixed with water at 1 part **FLEXIBOND** to 5-6 parts clean water, for the purpose of priming/sealing, 1kg will cover approximately 48m², depending on substrate type.

4kg of **FLEXIBOND**, when diluted with one equal volume of 4 litres of water, is sufficient for use with 32kg of **THICK & THIN BED TILE ADHESIVE, VITRI-RAPID, FAST-SET** or 40kg of **WIDE JOINT GROUT**.

Technical Data

Tensile Adhesion Strength (BS 5980:1980)

7 days in air at 20°C followed by 7 days immersion in water > 1935 N

Shear Adhesion Strength (BS 5980:1980)

14 days in air at 20°C > 20 KN

7 days in air at 20°C followed by 7 days immersion in water 18.6 KN

Shear Modulus

(BS 5385 part 1:1976) 1.37 x 10 PASCALS

Stress Relaxation 1.3%

Packaging

Available in 4kg and 1kg plastic containers.

Health and Safety

Avoid contact with eyes and ingestion. It is advisable to wear protective gloves and wash off any spillage onto the skin with clean water, before drying occurs.

Storage

FLEXIBOND has a shelf life of not less than 6 months, providing the containers remain sealed and are protected from direct sunlight.

PROTECT FROM FROST.

Note: The information supplied in this leaflet is given on results obtained from long experience and extensive field and laboratory testing and is given in good faith. However, nothing herein is to be obtained as a warranty or representation. Users should make their own tests to determine the applicability of such information and the suitability of the product for their own particular use. The manufacturer cannot accept any liability for consequential loss or damage.
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BiscemTM
Tile adhesives & grouts

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