



**SOLUTIONS FOR INDUSTRY**

# Flexibond

## Ceramic Wall Tile Adhesive

### **Characteristics:**

- Ž Flexibond is a non slip, polymer modified thin bed cement based adhesive designed for bonding most types of ceramic wall tiles onto substances that may be subject to limited movement.
- Ž Flexibond can be used internally for most domestic and light commercial wall tiling applications where the substrate is subject to limited movement e.g. thermal expansion, flexing and vibration.
- Ž Flexibond is typically applied to: Concrete, Render, Brickwork, Plasterboards, Fibre Cement sheets, Plasterboard.
- Ž Flexibond should not be used for laying tiles directly onto timber substrates or for applications that are subject to total immersion.

### **Preparation:**

- Ž While in most cases Flexibond can be applied directly to the substrate to be tiled, there is occasionally a requirement to prime the surface first, with Uniprime i.e. On very porous surfaces such as plasterboard or very dense glossy surfaces.
- Ž In all instances the surface needs to be well fixed and clean and free from contamination.
- Ž Special note should be taken of the fixing and sealing requirements of the substrate supplier.
- Ž Where waterproofing is required, use Miracryl 2 part or Polymer liquid seal.

### **Expansion/ Movement Joints:**

- Ž Expansion/ Movement joints must be provided to allow for movement between adjacent building components. They should be as follows:
- Ž Over existing joints in the substrate, where two different substrates meet e.g. Plasterboard and fibre cement sheet, at internal vertical corners.
- Ž On wall surfaces at storey heights horizontally and approx. 3m-4.5m apart vertically.
- Ž Movement joints should go right through the tile adhesive bed to the background and kept free from dirt and adhesive droppings. Movement joints must not be less than 6 mm and not wider than 10 mm. The movement joints must be filled with a flexible sealant like Silicone.

### **Mixing:**

- Ž Flexibond only requires the addition of clean drinkable water.
- Ž Place the required amount of water into a clean bucket (allow about 0.6 - 0.8 L per square metre).
- Ž Slowly add the powder to the liquid while stirring and mix until a smooth lump free paste of the desired consistency is achieved.
- Ž Allow to stand for 5 minutes and re-stir.

### **Application:**

- Ž Flexibond is applied to the substrate with a suitable notched trowel (6-10 mm).
- Ž Apply about a square metre at a time and firmly pressing the tiles into the adhesive making sure that the adhesive has not "skinned off".
- Ž Any material that has "skinned" or dried excessively should be scraped off and discarded.

**Clean up:**

- Excess adhesive on the face of the tiles can be cleaned up with damp cloth while the adhesive is still wet.
- Adhesive that has oozed out into the grout joint must be raked out with a knife/spatula etc.
- Tools and other equipment can be cleaned up using water while the adhesive is still wet.

**Coverage:**

- Coverage will vary depending on the substrate condition and the type of tile but is approximately 12-14 m<sup>2</sup> / 20 Kg bag using a 6 mm trowel.

**Grouting Application:**

- Generally grouting can be carried out after the adhesive has achieved a firm set (24 hours).
- Use either RLA Grout, Smooth Grout, or Flexi-grout<sup>TM</sup> liquid premix.

**Packaging/ Shelf Life:**

- Flexibond is available in 20 Kg bags.
- A bag of Flexibond, when stored in a cool, dry environment, and is stored above ground level, will have a shelf life of approximately 12 months.

**Handy Tips:**

- Do not spread too much Flexibond at a time, as the typical substrates for fixing wall tiles to are very absorbent, and the adhesive will skin prematurely.
- Remove all joint spacers prior to tiling.

**Technical Data:**

<b>Properties</b>	<b>Results</b>
Appearance	White Powder
Bulk Density	1.09 +/- 0.05
Open Time	Approx. 25 minutes @ 20°C
Drying Time @ 20°C	Approx. 24 Hours
Full Cure	30 Days
Temperature Resistance	80°C

**BRANZ Test Results**

Tensile Strength	0.62 MPa
Shear Strength after 7 days	1.71 MPa
Shear Strength after 14 days	1.95 MPa
Transverse Deformation	3.79mm @ 2.36 MPa

The information supplied is to the best of our knowledge true and accurate. The actual application of the product is beyond the manufacturer's control. Any failure or damage caused by the incorrect usage of the product is not the responsibility of the manufacturer. The manufacturer insist that all workmanship must be carried out in accordance with AS3958 part 1 1991. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.