



## SOLUTIONS FOR INDUSTRY

# Q-Bond Flexible

### Characteristics:

- Ž Q-Bond Flexible is a rubber modified, flexible off-white cement based tile adhesive.
- Ž It is designed for bonding all types of ceramic, stone and mosaic tiles, with the exception of light coloured and Green Marble, onto a variety of substrates like concrete, render, rendered brickwork, plasterboard, fibre cement sheet and structurally sound particle board surfaces.
- Ž It can be used internally or externally on wall and floor surfaces.
- Ž Q-Bond Flexible is fast setting, so tiles can be grouted 6-8 hours @ 20<sup>o</sup>c after completion of tiling.

### Preparation:

- Ž Ensure all surfaces are sound, dry and free from excessive movement, oil, dust, grease, wax, curing compounds, release agents and any other loose contaminating materials.
- Ž It is recommended that all surfaces be primed with Uniprime, especially porous surfaces, to ensure a sound bond of the adhesive to the substrate.
- Ž Allow primer to dry for approximately 30-40 minutes at 20<sup>o</sup>c prior to commencing tiling.

### 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, and around the perimeter of the floor.
- 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 The mixing ratio of Q-Bond Flexible is 20 kg of powder to 6 Litres of water.
- Ž Pour 6 Litres of clean water into a drum and then gradually add the Q-Bond Flexible while mixing continuously until a smooth lump free mix is obtained. Always add powder to liquid.
- Ž Allow the mix to stand for 10 minutes, re-stir and then apply the adhesive onto the substrate.

### Application:

- Ž Q-Bond Flexible should be applied onto the substrate with appropriate trowel (see below) at a rate of 1m<sup>2</sup> at a time. Application rates greater than this can result in the adhesive skinning before the tiles are laid into it.
- Ž Floor Tiling: Use a 10mm square notched trowel for tiles up to 300mm x 300mm. For tiles 300mm x 300mm and larger use a 12mm square notched trowel.
- Ž Wall Tiling: Use a 6mm square notched trowel for tiles up to 150mm x 150mm. For tiles larger than 150mm x 150mm use a 10mm square notched trowel.
- Ž Once the adhesive is applied onto the substrate ensure that it does not skin prior to bedding the tiles into it. Once the adhesive skins do not lay tiles into it, but remove it and apply fresh adhesive.
- Ž When placing the tiles into the adhesive press them in by using a twisting or sliding action. Ensure no voids occur and full coverage of adhesive is under the tiles.
- Ž Once the tiling is completed do not disturb the tiled surface for a least 6-8 hours at 20<sup>o</sup>c.

**Clean up:**

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

**Coverage:**

- Ž A 20 kg bag of Q-Bond Flexible will cover approximately 12m<sup>2</sup> using a 6mm trowel, 8m<sup>2</sup> using a 10mm trowel, and 6m<sup>2</sup> using a 12mm trowel.

**Grouting Application:**

- Ž Grouting application can commence 6-8 hours after the completion of tiling.
- Ž Use either RLA Grout or Smooth Grout on the walls and either RLA Grout or Coarse Grout in combination with Grout Add or Flexi-grout™ Liquid premix on the floors.

**Packaging/ Shelf Life:**

- Ž Available in: 20 kg bags
- Ž When stored in a cool, dry environment, and above ground level, will have a shelf life of approximately 12 months.

**Handy Tips:**

- Ž Q-Bond Flexible is classified as a non-hazardous product.
- Ž For a full MSDS on this product please contact your nearest RLA office.
- Ž Q-Bond Flexible being cement based is alkaline in nature, and therefore may cause dermatitis.

**Technical Data:**

<b>Properties</b>	<b>Results</b>
Appearance	Off-white Powder
Bulk Density	1.18 +/- 0.05
Open Time	Approx. 20 minutes @ 20°C
Drying Time @ 20°C	Approx. 8 hours
Shear Strength after 7 days	1.10 MPa
Shear Strength after 14 days	1.8 MPa
Modulus of Elasticity	0.20 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.