



# MCB™ BT-100



MCB™ BT-100 is a pre-mixed, white, flexible, non slip ceramic tile adhesive recommended for most internal thin bed wall applications.

### PRODUCT FEATURES

- D2 – Improved adhesion
- E – Extended open time
- T – Non slip
- Self priming
- Ready to use
- Easy to apply
- Water washable
- White
- Low VOC

### SUITABLE TILE TYPES

- Ceramic
- Porcelain\*
- Natural stone: including marble, granite, limestone & travertine

### AREAS OF USE

- Interior applications
- Walls
- Concrete
- Cement render
- Fibrous cement sheeting
- Plasterboard
- Tiling over CTA™ certified waterproofing membranes\*

*\*Adhesive drying time may be significantly delayed or a full cure may not be achievable when used with dense or porcelain tiles or when used in cold climates and when used over CTA™ certified waterproofing membranes.*

### SURFACE PREPARATION

#### General

Ensure that the surface is dry and clean. Remove any loose material and all contaminants such as grease, oil and dust prior to applying.

### SUBSTRATES/ BACKGROUNDS

#### Concrete

Allow at least 28 days for the concrete to cure. Concrete should be left with an open surface that allows moderate water absorption. All traces of curing compounds (or sealers) should be removed prior to tiling as these can act as release agents. The surface should be flat and even.

#### Renderers

All renderers must conform with the appropriate standard and should be left with a wood float finish and left to cure for at least 7 days per 25mm thickness.

### Sheet Walls

Plasterboard and fibrous cement sheeting must be solidly fixed in accordance with the manufacturer's instructions specifically for tiling – and should be wiped with a damp sponge prior to tiling particularly where a jointing compound has been used.

### CTA™ Certified Waterproofing Membranes\*

Waterproofing membranes must be allowed to cure as per the product's specification.

### APPLYING

- Tiles should be fixed in accordance with Australian Standard AS3958.1 – 2007.
- Ensure the back of each tile is clean and free from dust or other contaminants.
- The adhesive should be applied in areas not exceeding one square metre at a time to ensure the adhesive does not skin prior to fixing.
- Notch on the adhesive with the correct sized trowel in a straight line horizontally avoiding swirls.
- While pressing the tiles into the adhesive, slide them at 90 degrees to the direction of the notches for about the distance of the notch; i.e. 6mm for a 6mm notched trowel. Ensures that the whole back of the tile is in contact with the adhesive
- It is advisable to remove tiles regularly to check that the whole of the back of the tile has maximum coverage as per the Standard.
- Contact CTA™ if you are unsure of the requirements.
- Final adhesive bed must not exceed 2mm.
- All adhesive residue must be removed from the face of tiles, joints and fittings before the adhesive sets.

### OPEN TIME

30 minutes at 23°C and 60% relative humidity.

### CURING

Tiles can be grouted after 24 hours. This is dependent on the density of the background and tiles and the ambient temperature and humidity.

### GROUTING

Tiles should be grouted using the appropriate PROBLEND™ premium grout. Select colour and range to suit joint width and preferred finish.

### CLEANING

Tools and equipment can be washed using clean water before the adhesive has set.

### INCORPORATING MOVEMENT JOINTS

Movement Joints must be installed according to Australian Standard AS3958.1 – 2007.

### COVERAGE

Notched Trowel Size	Coverage on a true and flat surface
6mm	1m <sup>2</sup> per litre

## STORING

When MCB™ BT-100 is stored in its original unopened package in a dry area off the ground at a temperature of 23°C and a relative humidity of 60%, it should be usable for approximately 12 months.

## HANDLING

CTA™ and Beaumont Tiles support best practice in material handling: Gloves, mask and protective clothing should be worn. If the product comes into contact with the skin, wash off with warm soapy water. Avoid inhaling the dust by wearing a dust mask and provide adequate ventilation. If swallowed drink plenty of water and seek medical advice. In case of contact with the eyes, rinse with an eye wash or wash away with plenty of clean water. For further information refer to product SAFETY DATA SHEET.

## LIMITATIONS

- Not suitable for external areas.
- Not suitable for thick bed or floor applications.
- MCB™ BT-100 cannot be used directly over tongue and grooved timber flooring, particleboard, medium density fibreboard or masonite.
- MCB™ BT-100 is not suitable for use with moisture sensitive tiles or stone.
- MCB™ BT-100 is not to be used in swimming pools or ponds or other areas that are immersed in water.
- Adhesive drying time may be significantly delayed or a full cure may not be achievable when used with dense or porcelain tiles or when used in cold climates and when used over CTATM certified waterproofing membranes.
- MCB™ BT-100 must not be used directly over solvent based polyurethane waterproofing membranes.
- MCB™ BT-100 can only be used over high quality water based waterproofing membranes that have been certified by CTATM.
- The performance of BT100 will be compromised when tiling in temperatures below 5°C and above 35°C.
- Contact CTA™ for advice if further information is required.

## WARRANTY

Construction Technologies Australia warrants its products for a period of twelve (12) years from the date of sale. Visit [www.ctaust.com.au](http://www.ctaust.com.au) to view the full terms and conditions of this warranty.

## AVAILABILITY

MCB™ BT-500 is available exclusively from participating Beaumont Tiles stores. Refer to [www.tile.com.au](http://www.tile.com.au) for your local branch.

## HANDLING

CTA™ and Beaumont Tiles support best practice in material handling: Gloves, mask and protective clothing should be worn.

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