

# FUTUREBOND® MULTI-TILE

NON SLUMP CEMENT BASED TILE ADHESIVE

**FUTUREBOND® MULTI-TILE** is a premium grade, smooth, polymer modified, flexible, white cement-based tile adhesive.

## FUTUREBOND® MULTI-TILE IS:

- non-slump and is ideal for large format tiles.
- a C2S1ET Adhesive.
- designed for bonding all types of ceramic, stone and mosaic tiles and ideal for large format tiles, onto a variety of substrates like concrete, render, rendered brickwork, block work, Gyprock, and fibre cement surfaces.
- suitable for use over green screeds and concrete.
- not suitable for some moisture sensitive stone like green marble or some limestones.

## FUTUREBOND® MULTI-TILE CAN BE USED:

- Internally or externally on wall and floor surfaces.
- for fixing low porosity tiles.
- for fixing tiles over most waterproofing membranes. However it is advisable to contact the manufacturer prior to commencing.
- in and around concrete swimming pools as long as it is mixed with HYPERLASTIC®.



## PREPARATION

- Ensure all concrete slabs are allowed to cure for at least 6 weeks and have a wood float finish.
- All rendered surfaces must be allowed to cure for at least 7 days prior to commencing tiling.
- The maximum variation in the plane of the concrete must not exceed 5mm in 3 metres for floors and 4mm in 2 metres for walls.
- Steel trowelled finished concrete surfaces must be mechanically or chemically abraded prior to commencing tiling.
- Fibre Cement sheet when used as a wall material must be a minimum of 6mm in thickness. For heavy duty commercial applications it should be a minimum of 9mm thick and all should be fixed in accordance with the manufacturer's instructions and the relevant standards. **FUTUREBOND® MULTI-TILE** is not suitable for framed floor construction. F/C sheet flooring must be screeded with no less than 25mm of screed.
- Gypsum -plasterboard sheets when used as a wall substrate must be a minimum of 10mm thick, and installed in accordance with the manufacturer's instructions and the relevant standards.
- Ensure all surfaces are sound, dry and free from excessive movement, oil, dust, grease, wax, curing compounds, release agents, paints and any other loose contaminating materials.
- It is recommended that all surfaces must be primed with ELITEPRIME™, especially porous surfaces, to ensure a sound bond of the adhesive to the substrate.
- When applying the primer onto a floor surface it is recommended to firstly pour some primer in a section then spread the primer using a A 20kg of **FUTUREBOND® MULTI-TILE** will cover approximately 7m<sup>2</sup> using a broom, brush or roller. Then continue this method of application until the entire area is primed. *Note: This method of application ensures a thorough coat of the primer on the surface.*
- Any excess ELITEPRIME™ that has not dried should be removed with a rag prior to tiling.
- Allow the primer to dry for approximately 30 - 40 minutes at 20°C prior to commencing tiling.

## EXPANSION I MOVEMENT JOINTS

- Expansion / movement joints must be provided to allow for movement between adjacent building components.
- Over existing joints in the substrate.
- Where two different substrates meet. Eg: timber and concrete.
- Around fixed elements in the floor Eg. columns.
- At internal vertical corners.
- Around the perimeter of the floor.
- In internal floors where any dimension exceeds 9m or 6m if subjected to sunlight.
- In external floors where any dimension exceeds 4.5m
- On wall surfaces at storey heights horizontally and approximately 3m-4.5m apart vertically. Ideally they should be located over movement joints in the structural background at structural material changes for example the horizontal joint at the bottom of floor slabs, vertical joints at internal vertical corners, and at junctions with columns.
- 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 6mm and not wider than 10mm. The movement joints must be filled with a flexible sealant like Silicone and installed as per AS3958:2007.

## MIXING

- Mix 6 Litres of water with 20kg of **FUTUREBOND® MULTI-TILE** depending on the consistency of the mix required.
- For commercial applications, exterior tiling and for some stonework it is necessary to use HYPERLASTIC® with **FUTUREBOND® MULTI-TILE**. Please contact your ATECH representative if required.

## COVERAGE

20kg of **FUTUREBOND® MULTI-TILE** will cover approximately 7m<sup>2</sup> using a 10mm notched trowel.

## APPLICATION

- All preparation and tiling should be carried out in accordance with AS3958.1 :2007 - Guide to the Installation of Tiles.
- Once the surface has been appropriately prepared in accordance with ATECH's Instructions then apply the adhesive onto the substrate using an appropriate notched trowel.
- For wall tiling use 6mm x 6mm square notched trowel for tiles up to 150mm x 150mm. For tiles larger than 150mm x 150mm use a 10mm x 10mm square notched trowel.
- **FUTUREBOND® MULTI-TILE** should be applied onto the substrate at a rate of 1m<sup>2</sup> a time. Application rates greater than this can result in the adhesive skinning before the tiles are laid into it.
- 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.
- When placing the tiles into the adhesive press them in by using a sliding action. Ensure no voids occur and full coverage of adhesive is under the tiles.
- For tiles with lugs, grooves or uneven backing it may be required to butter the back of the tile with adhesive in addition to trowelling the adhesive onto the substrate.
- The final bed thickness of the adhesive should be at least 2mm for wall tiling and 3mm for floor tiling.
- Once the tiling is completed do not disturb the tiled surface for at least 24 hours at 20°C.

## GROUTING APPLICATION

- Grouting application can commence 24 hours after the completion of tiling.
- Grouting can be done using ATECH's Grouts.
- Clean up can be done using a damp sponge.
- Ensure you use a clean sponge every time.
- Grout will fully dry in 24 hours at 20°C, after which time the area can be put into service.

## PACKAGING / SHELF LIFE

- **FUTUREBOND® MULTI-TILE** is available in 20kg bags.
- A bag of **FUTUREBOND® MULTI-TILE** when stored in a cool, dry environment, and is stored above ground level, will have a shelf life of approximately 12 months.

## CLEAN UP

- Excess adhesive from the face of the tiles can be cleaned up with a 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.
- Protect tiling from rain and inclement weather until 24 hours after grouting is complete.

## HANDY TIPS

- Do not apply **FUTUREBOND® MULTI-TILE** in temperatures above 40°C and below 5°C.
- **FUTUREBOND® MULTI-TILE** cannot be used for fixing tiles directly onto timber floors.
- For heavy or commercial use, use **FUTUREBOND® MULTI-TILE** with HYPERLASTIC®.
- Not suitable for very heavy stone. Contact the Tech Centre for more information.
- For applications / situations not mentioned in these instructions please contact your ATECH representative.
- **FUTUREBOND® MULTI-TILE** being cement based is alkaline in nature, and therefore may cause dermatitis. It is recommended that applicators wear PVC gloves or similar and safety goggles.
- For a full SDS on this product please contact your ATECH representative.

Technical Data	
Appearance	White Powder
Bulk Density	1.18 +/- 0
Open Time	Approx 30 minutes @ 20°C
Adjustment Time	Approx 40 minutes @ 20°C
Pot Life	2 Hours @ 20°C
Ready for Grouting	16 hours @ 20°C
Light Foot Traffic	24 Hours
Ready for Wet Area Service	3-4 Days

**DISCLAIMER:** 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 insists that all workmanship must be carried out in accordance with AS 3958.1-2007. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.

## PRODUCT DATA SHEET: TILE ADHESIVES: FUTUREBOND® MULTI-TILE

### Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by **ATECH®** either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not **ATECH®** are responsible for carrying out procedures appropriate to a specific application.

### Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at time of print. As the information herein is of a general nature, no assumption can be made as to the products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

### Safety Precautions

These products may cause allergic reactions through skin contact, goggles, protective gloves and overalls must be worn. Ensure that there is adequate ventilation and avoid breathing the vapour.

### Exclusion Clause

1. The information contained in this data sheet is based on many years experience and is correct to the best of our knowledge. **ATECH®** will be under no liability whatsoever whether in:
  - a) Contract or tort (including, without limitation, negligence)
  - b) Breach of statute
  - c) Any other legal or equitable obligation other than the quality of the product at the time of despatch.
2. Any queries about specification use or application should be directed to our technical service department immediately.
3. This exclusion clause does not operate to exclude any warranty that by law may not be excluded.

