



# TILEBOND

## Characteristics:

- Tilebond is a premium grade white cement based tile adhesive.
- It is designed for bonding all types of ceramic, stone and mosaic tiles, onto rigid concrete, render, rendered brickwork, and block work surfaces.
- It can be used internally or externally on wall and floor surfaces.
- Tilebond can be used for fixing low porosity tiles.
- Tilebond can be used for tiling in immersed situations like pools and spas when used with RLA Uniflex Additive.
- Do not use Tilebond for moisture sensitive stone like green marble.

## 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.
- Ensure all surfaces are sound, dry and free from movement, oil, dust, grease, wax, curing compounds, release agents and any other loose contaminating materials.
- Steel trowelled finished concrete surfaces must be mechanically or chemically abraded prior to commencing tiling.
- The maximum variation in the plane of the concrete must not exceed 5mm in 3 meters for floors and 4mm in 2 meters for walls.
- It is recommended that all surfaces must be primed with Uniprime, especially porous surfaces, to ensure a sound bond of the adhesive to the substrate.
- When applying the primer onto floor surfaces it is recommended to firstly pour some primer in a section then spread the primer using a broom, brush or roller. 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.
- Allow the primer to dry for approximately 30 - 40 minutes at 20°C prior to commencing tiling.
- Any excess Uniprime that has not dried should be removed with a rag prior to tiling.

## Expansion/Movement Joints:

Expansion / movement joints must be provided to allow for movement between adjacent building components. They should be as follows:

- Over existing joints in the substrate.
- Where two different substrates meet, e.g. Timber and Concrete.
- Around fixed elements in the floor E.g. Columns.
- At internal vertical corners.
- Around the perimeter of the floor.
- In internal floors where any dimension exceeds 9m or 8m if subjected to sunlight.
- In external floors where any dimension exceeds 4.5 m.

## COMPLIES WITH

AS ISO 13007.1-2013  
**Class C1**

C1 Good Bond Strength



- 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 and 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 installed as per AS3958:2007.

## Mixing:

- The mixing ratio of Tilebond is 20kg of powder to 5 Litres of water.
- Pour 5 litres of clean water into a drum and then gradually add the Tilebond while mixing continuously until a smooth lump free mix is obtained.
- For use in immersed situations like pools mix 1.5 litres of RLA Uniflex and 3.5 litres of water then add Tilebond while mixing.
- Always add powder to liquid.
- Allow the mix to stand for 10 minutes, re-stir and then apply the adhesive onto the substrate.

## Application:

- All preparation and tiling should be carried out in accordance with AS3958:2007 - Guide to the Installation of Tiles.
- For floor tiling use a 10mm x 10mm square notched trowel for tiles up to 300mm x 300mm. For tiles 300mm x 300mm and larger use a 12mm x 12mm square notched trowel and back butter each tile.
- For mosaic tiles use a 6mm x 6mm square 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.
- Tilebond should be applied onto the substrate 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.
- 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 twisting or 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.
- Protect tiling from rain and inclement weather until 24 hours after grouting is complete

## Clean up:

- Excess adhesive from 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:

- A 20kg bag of Tilebond will cover approximately 5m<sup>2</sup> using a 10mm notched trowel.

## Grouting Application:

- Grouting application can commence after curing for 24 hours at 20°C.
- Grouting can be done using RLA's Grout. Follow RLA application instructions. Do not allow foot traffic on tiling until 24 hours after the grout has cured.

## Packaging/Shelf Life:

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

## Handy Tips:

- Do not apply Tilebond in temperatures above 40°C and below 5°C.
- For fixing tiles in permanently immersed situations like swimming pools or for facade tiling mix Tilebond with Uniflex additive.
- For applications / situations not mentioned in these instructions please contact RLA NZ or your nearest distributor.
- Tilebond 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 MSDS on this product please contact RLA NZ or your nearest distributor.

## Safety Directions:

- Hazardous - contains cement silica.
- Wear gloves and mask when handling.
- Wash hands thoroughly after use.
- Manual handling of this bag without due care and attention may result in personal injury

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## Technical Data

<b>Appearance Bulk</b>	Grey Powder	<b>Pot Life</b>	2 Hours @ 20°C
<b>Density</b>	1.51 +/- 0.05	<b>Ready for grouting</b>	16 hours @ 20°C
<b>Open Time</b>	Approx 20 minutes @ 20°C	<b>Light foot traffic</b>	24 hours
<b>Adjustment Time</b>	Approx 30 minutes @ 20°C	<b>Ready for wet area service</b>	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 manufacturers 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.



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