



TTC QLD PTY LTD

# TTC PREMIUM RUBBER

## Characteristics:

- It is designed for bonding all types of ceramic, stone and mosaic tiles onto a variety of substrates like concrete, render, rendered brickwork, blockwork gyprock, plasterboard and fibre cement.
- It can be used internally or externally on wall and floor surfaces.
- can be used for fixing low porosity tiles.
- can be used to fix tiles over existing tiles as long as the surface is coated with RLA Universal Primer.
- can be used to fix tiles over most waterproofing membranes. However, it is advisable to contact TTC for Technical Help prior to commencing.

## 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 an underlay 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.
  - 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 Uniprime, 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 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 Uniprime 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 / 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 6m if subjected to sunlight.
- In external floors where any dimension exceeds 4.5 m.
- 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 is 20kg of powder to 8 litres of water.
- Pour 8 litres of clean water into a drum and then gradually add the Addflextra while mixing continuously until a smooth lump free mix is obtained.
- Always add powder to liquid.
- Allow the mix to stand for 2 minutes, re-stir and then apply the adhesive onto the substrate.

## Coverage:

- A 20kg bag of will cover approximately 10-12m<sup>2</sup> using a 10mm notched trowel.



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## Application:

- All preparation and tiling should be carried out in accordance with AS3958:2007 - Guide to the Installation of Tiles.
- Once the surface has been appropriately prepared in accordance with TTC's instructions then apply the adhesive onto the substrate using an appropriate notched trowel.
- 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.
- **TTC Premium Rubber** 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 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 and 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.

## Grouting Application:

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

## Packaging / Shelf Life:

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

## Handy Tips:

- Do not apply **TTC Premium Rubber** in temperatures above 40°C and below 5°C.
- **TTC Premium Rubber** cannot be used for fixing tiles directly onto timber floors. **TTC Premium Rubber** cannot be used for fixing tiles in pools.
- Internal framed floors with spans of more than 5m and external fanned decks require special consideration. Contact TTC's Technical Department for special advice.
- For applications / situations not mentioned in these instructions please contact your nearest TTC office.
- **TTC Premium Rubber** 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 nearest TTC office.

## 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.

## Technical Data:

<b>Appearance</b>	Off White Powder
<b>Bulk Density</b>	1.18 +/- 0.05
<b>Open Time</b>	Approx 20 minutes @ 20°C
<b>Adjustment Time</b>	Approx 30 minutes @ 20°C
<b>Pot Life</b>	2 Hours @ 20°C
<b>Ready for grouting</b>	24 hours @ 20°C
<b>Light foot traffic</b>	24 hours
<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.