

# UNDER TILE MEMBRANE

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13000 BETTA



## Description

Gripset Betta Under Tile Membrane is a liquid rubber developed for wet area waterproofing under tiles, renders and surface finishes. Unique fast curing formulation, allows tiling and finishes to be applied over it after 4 hours once the application is complete. Flexible and elastomeric, Under Tile Membrane forms a durable water vapour barrier against permanent wet conditions. Compatible with a range of tile adhesives, renders and topping compounds.

When used with the Betta detailing range the system complies with all relevant Australian wet area standards including AS/NZ 4858: 2004, and AS 3740 2004

## Features & Benefits

- Water based, non toxic and non flammable
- Fast cure, allows tiling over after 4 hours
- User friendly and environmentally safe
- Withstands continuously wet conditions
- Flexible and elastomeric
- Compatible with tile toppings and various surface finishes
- Complies to AS/NZ 4858 and AS 3740 as a class III membrane
- Excellent vapour barrier properties

## Uses

- Wet areas, showers and tiled areas
- Balconies, decks, podiums, terrace floors
- Roofs to be covered over with screeds and toppings
- Sandwiching between existing and new concrete substrates
- Retaining walls, planters and garden beds
- Liquid vapour barrier between toppings and slabs
- Anti fracture membrane for floor tiling and hairline cracks

## Substrates

- Concrete, render and masonry
- Fibre cement sheeting, plasterboard and structural sheeting
- Wet area timber sheeting and external grade plywood
- Aerated concrete panels and blocks

## Surface Preparation

Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry, and clean, with substrate compressive strength a minimum 25MPa and cohesive strength a minimum 1.5MPa. Smooth shiny surfaces to be roughened or etched. Rough surfaces are to be evened or filled first and made good. Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of membrane application. All surfaces are to be free of sharp protruding surfaces, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains.

Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.

## Priming

- **Betta Prep Coat & Additive** - for general porous vertical and horizontal building surfaces. Brush or roller apply primer to total surface area at a minimum coverage of 1 litre per 6m<sup>2</sup> and allow drying for 30 minutes or once wet film dries to a clear transparent coating
- **Betta Super Primer** - for non porous, smooth and dense surfaces. Brush or roller apply primer to total surface area at a minimum coverage of 1 litre per 10m<sup>2</sup> and allow to dry for 1 hour
- **Betta Damp Stop** - for surfaces with residual or rising damp. Apply by brush or roller in 1-2 coats at a minimum coverage of 1litre per 8m<sup>2</sup> per coat. Allow to dry for a minimum 24 hours before applying membrane. Primer must be tack free before applying membrane.

## Detailing & Reinforcement

All critical areas such as joints, junctions, movement zones, penetrations and drainage points are to be correctly sealed prior to membrane application.

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| Voids, gaps and undulating surfaces (concrete/masonry) | Filled and evened with Betta Prep Coat enhanced mortar     |
| Bond Breaker:  | Betta Elastic Joint Band at perimeter wall/floor junctions |
| Structural sheeting joints                             | Betta Elastic Joint Band/Peel & Seal Tape                  |
| Penetrations, Pipes                                    | Betta Waterproofing Sleeves                                |
| Drainage flanges, wastes                               | Betta Reinforcing Fabric                                   |



## Installing Betta Elastic Joint Band (bond-breaker)

Measure and cut Betta Elastic Joint Band for all wall/floor junction areas. Apply first coat of Betta Under Tile Membrane to approximately 150mm extending up walls and on to floors, and embed Elastic Joint Band into wet bed of liquid membrane, ensuring fabric edges are fully wet out and no air bubbles exist behind the fabric. Rear rubber section of the Elastic Joint Band is not bonded to substrates. At sections where Joint Band is to be joined, a minimum 50mm overlap is required. Betta Prefabricated Waterproof Corners are available for both internal (90°C) and external (270°C) junctions, enabling Joint Band to overlap and avoid joint at critical areas. If Prefabricated corners are not used, Elastic Joint Band to have bottom leg cut and folded; ensuring fabric is completely bonded with Betta Under Tile Membrane.

For floor and wall pipes protruding surfaces, Betta Waterproofing Sleeves are to be fitted over the neck of the pipe, embedding fabric edges into wet bed of Betta Under Tile Membrane. For floor wastes that are finished level with the floor, the Betta Under Tile Membrane with Betta Reinforcing Fabric embedded is to be dressed down into the waste outlet at a minimum 50mm.

Once the Elastic Joint Band is in place, apply Betta Under Tile Membrane to the total floor area and to walls at 150mm high in general wet areas and balcony decks, and at 1.8m high in shower alcoves. A continuous seamless membrane should be the final finish to the total area upon completion of the waterproofing membrane application.

## Membrane Application

A minimum of 2 coats is to be applied at a total minimum coverage of 1.5 Litre/m<sup>2</sup>, forming a dried film thickness of approx 1.2mm. For vertical or pitched applications, coverage of 1Litre/m<sup>2</sup> can be considered. Apply subsequent coats at different directions to the previous coat. Apply by roller, brush or spray unit

## Tiling & Surface Toppings

- Only polymer modified cement based adhesives are to be used for tiling over Betta Under Tile Membrane
- Pre mixed tile adhesives are not recommended
- If applying a screed, render or concrete topping over the Betta Under Tile Membrane it is recommended to incorporate Gripset Betta Admix Super Concentrate as a proprietary bonding agent and water resistant additive.
- Drying time before tiling is 24-48 hours.
- **Note:** All tiling is to be carried out to AS3958.1 – 2007 "A Guide To The Installation of Ceramic Tiles"

## Drying times

- Tack Free 45 mins
- Recoat 1 hour
- Dry Film 4 hours
- Tiling or toppings over 4 hours
- Flood testing 16 hours
- Based on normal ambient conditions of 20°C, 50% RH.
- Temperature, humidity and porosity will vary dry times.
- **Note** - Once dried, ensure surface is wiped clean before tiling to remove any residues



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## Clean up

- In water while wet.
- Once dried product needs to be removed mechanically

## Storage conditions

- Best stored at room temperature.
- Avoid cold freezing conditions and off concrete floors.
- Do not store in direct sunlight.
- Shelf life: 12 months after opening.

## Precautions

- Not to be used as a trafficable surface
- Do not apply outside when rain is imminent
- Do not apply to surface temperatures below 5°C or above 35°C
- Not to be used in areas where solvent or petroleum based products may be spilled
- In areas subject to negative pressure or rising damp, first treat with Betta Damp Stop primer
- Finish toppings must be water based and solvent free

## Gripset Betta Pty Ltd

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## Product Disclaimer

This product Information sheet summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this information sheet carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Gripset Betta Pty Ltd does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.