

# Technical Data Sheet



## ARMOUR WATERPROOFING LATEX



**ARMOUR WATERPROOFING LATEX** is a premixed, single component, elastomeric waterproofing membrane for use in internal and external applications under tiled finishes including shower recesses, bathrooms, laundries, decks, balconies and rooftops. **ARMOUR WATERPROOFING LATEX** is water based with low VOC's and forms a highly flexible, seamless waterproofing membrane that bonds to a wide variety of substrates.

### PRODUCT FEATURES

- C1 – High bond strength • E – Extended open time • T – Non slip/slump • S1 – Good flexibility • Self Priming
- Off White • Extended coverage • Water washable • Cost Effective • Low VOC

### SUITABLE TILE TYPES

- Terracotta • Ceramic • Porcelain • Natural Stone: including marble, granite, limestone & travertine

### AREAS OF USE

- Concrete
- Sand / cement screeds
- Cement render
- Fibrous cement sheeting
- Structural grade particle board sheeting
- Compressed fibrous cement sheeting
- Water resistant plasterboard
- Structural grade plywood sheeting

### SURFACE PREPARATION

Ensure that the surface is dry and clean. Remove any loose material and all contaminants such as grease, oil and dust prior to applying. Surfaces must be even and smooth, ensure that there are no undulations in the surface and any imperfections are repaired with a suitable mortar. Highly porous and dusty surfaces must be primed using recommended primer. Substrates that are damp or moist must be primed using recommended primer. Dense and impervious substrates must be primed using recommended primer.

### SUBSTRATES / BACKGROUNDS

#### Concrete Floors

Allow at least 28 days for the concrete to cure. Concrete should be left with an open surface – standard helicopter finishes are generally acceptable if they display the "Moderate Water Absorption" in the substrate test. Wood float or broom finish is preferred where possible. All traces of curing compounds or sealers should be removed prior to application as these can act as release agents. Old concrete must be thoroughly cleaned and washed and allowed to dry. The surface should be even unless falls are incorporated where required.

#### Sand / Cement Screeds and Renders

The screeds and/or renders must conform to the appropriate standard and should be left with a wood float finish and left to cure for at least 24 hours per 25mm thickness.

#### Sheet Walls

Water resistant plasterboard and fibrous cement sheeting must be solidly fixed in accordance with the manufacturer's instructions specifically for tiling. Any surface dust must be removed by dry wiping or with a damp sponge prior to waterproofing. Priming is particularly recommended where a jointing compound has been used. Note when waterproofing over water soluble topping compounds must be removed or must be primed with a recommended primer.

#### Compressed Fibrous Cement Sheeting

Boards must be solidly fixed in accordance with manufacturer's instructions specifically for tiling. Any surface dust must be removed by dry wiping or with a damp sponge, the area must be primed with recommended primer prior to waterproofing.



# Technical Data Sheet

## **Existing Tiles**

Any existing tiles must be well bonded and be free from any sealers or coatings. It may be necessary to mechanically prepare the area. Dense, low absorbent surfaces must be coated with recommended prime prior to waterproofing. Contact TNT for advice if further information is required.

## **Static Crack Treatment**

For static cracks clean thoroughly and fill with a Neutral Cure Silicone prior to application of ARMOUR WATERPROOFING LATEX. For dynamic cracks, expansion joints and control joints contact TNT for advice if further information is required.

## **Sheet Joint Treatment**

For sheet joints clean thoroughly and fill with a Neutral Cure Silicone to form a BondBreaker, apply a liberal coat of ARMOUR WATERPROOFING LATEX extending 100mm either side of the joint and place a recommended Reinforcing Bandage into the wet membrane, press down firmly to ensure good contact, apply another liberal coat of ARMOUR WATERPROOFING LATEX to the entire surface to embed the bandage.

## **BONDBREAKER**

ARMOUR WATERPROOFING LATEX is a class III membrane with high extensibility and is designed for use with a 12mm bond breaker to bridge joints opening up by 5mm. The bond breaker must be installed at wall/wall junction, wall/floor junction, sheet joints, penetrations and where there is a change in the direction or substrate. A bead of a Neutral Cure silicone tooled off to 12mm minimum width or a recommended Reinforcing Bandage or both may be used as an effective bond breaker.

## **APPLICATION**

ARMOUR WATERPROOFING LATEX may be applied using a brush or roller. A minimum of 1mm dried film thickness of ARMOUR WATERPROOFING LATEX is required for optimum waterproofing properties. The surface onto which ARMOUR WATERPROOFING LATEX is applied must be continuous, ARMOUR WATERPROOFING LATEX cannot span gaps or voids. A minimum of two coats of ARMOUR WATERPROOFING LATEX is required, each coat must be applied in a perpendicular direction to the previous coat. The application must conform to Australian standards AS 3740, AS 4654 and relevant local building codes. Ensure there are no defects or damage to the waterproofing membrane, if necessary repair and rectify by applying a third coat.

## **DRYING**

Allow ARMOUR WATERPROOFING LATEX 2-4 hours to dry between coats. Allow a minimum of 24 hours to dry prior to applying finished covering, and a minimum of 72 hours to dry before flood testing. Allow longer in adverse weather conditions.

## **TILING**

Compatible with a range of TNT polymer modified tile adhesives. Contact TNT for advice if further information is required.

## **CLEANING**

Tools and equipment can be washed using clean water before the material has dried.

## **COVERAGE**

Floors – Apply two coats to achieve a minimum dry film thickness of 1mm. 0.75lt/m<sup>2</sup> per coat.  
Walls – Apply two coats to achieve a minimum dry film thickness of 0.6mm. 0.5lt/m<sup>2</sup> per coat.  
Coverage will vary depending on substrate and application.

## **STORING**

When ARMOUR WATERPROOFING LATEX is stored in its original unopened container 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. ARMOUR WATERPROOFING LATEX must be stored out of direct sunlight and away from heat.

## **HANDLING**

TNT supports best practice in material handling: Gloves, mask and protective clothing should be worn.