



CEMIX UNDERTILE WATERPROOFER

CEMIX UNDERTILE WATERPROOFER is a highly flexible one part water based polyurethane acrylic waterproofing membrane

DESCRIPTION

CEMIX UNDERTILE WATERPROOFER is a highly flexible water based elastomeric moisture cure polyurethane-acrylic non toxic waterproofing membrane designed especially for high performance waterproofing of internal/ external wet areas, shower recesses, bathrooms, laundries, balconies, decks, roofs, planter boxes, ponds, troughs and gutters. It is tough, flexible, UV stable when left exposed, environmentally friendly, solvent free, fast drying and excellent adhesion to a wide range of substrates. Suitable to be used over Concrete, Cement render, Blockwork and brickwork, Fibrous cement sheeting, water resistant plasterboard, Plywood and Particleboard. **Please ensure that there is no rising damp in the substrate.**

ADVANTAGES

- Tough flexible film does not require bond breaker tape
- No mixing required – apply straight from container- easy to apply with a brush.
- UV stable when left exposed
- Environmentally friendly – solvent free – suitable for confined areas
- Can be tiled over – good adhesion with recommended Cemix tile adhesives
- Fast drying and excellent adhesion to a wide range of substrates

PREPARATION

The substrate should be free of dust, grease, wax, oil, dirt, loose plaster, laitance, curing compounds, paint and all other friable materials and contaminants likely to prevent bonding. New concrete should be left with a wood float finish and sufficiently aged for a minimum of 4 to 6 weeks. CEMIX cement screeds/floor levelers must be allowed to cure for a minimum of 7 days. All substrates should be structurally sound, securely fastened and properly supported to eliminate any movement which may cause cracking. All surfaces should be primed with Undertile Waterproof diluted 30% with water. Any surface in doubt or porous, friable and dusty surfaces may require an additional priming coat. Surfaces which are Damp or moist or there is a chance of rising damp, must be primed using **water based epoxy moisture seal**.

The surfaces onto which CEMIX Undertile Waterproofer is applied must be continuous, as the product cannot span gaps. All sheet joints and fixings must also be filled with

a suitable sealant before application. All shrinkage and non-moving structural cracks should be pre-treated. For cracks less than 1.5mm, clean them thoroughly before filling with an appropriate sealant and apply a liberal coat of CEMIX Undertile Waterproofer extending 100 mm either side of the crack. Allow all pre-treatment areas to cure before general application of the membrane. For dynamic cracks/expansion joints and control joints contact the **CEMIX Technical Department** for further advice.

MIXING

No Mixing required – apply straight from the container liberally with a brush.

APPLICATION

Apply a bead of suitable sealant at all wall/floor joints, wall/wall joints, all sheet joints and fixings and any change of direction in substrate or visible cracks. All workmanship must be carried out in accordance with AS/NZ 3740:2004.

Internal Wet Areas

Must be applied using a brush or roller. A minimum of 1.5mm dried film thickness is required for optimum waterproofing properties. Two coat application is recommended.

Shower Recesses

Apply to the internal vertical corners of the shower using a brush/roller extending at least 100mm either side of the joint. Ensure the corner is well coated. This must extend past the height of the shower rose. It is important to coat around the tap protrusions in the wall. The wall/floor joint must be coated and the membrane must extend onto the floor at least 100mm and onto the wall 100mm. The membrane must extend a minimum of 25mm above the height of the hob. Once these critical areas have been coated, then the entire Walls be coated. Once the wall/wall junctions, wall/floor junctions, tap protrusions and walls are coated, then the shower floor must be coated. When coating the floor, the CEMIX Undertile Waterproofer must be dressed down into the floor waste a minimum of 50mm. The floor must be coated, ensuring a minimum dry film thickness of 1.2mm is achieved. Apply a generous final coat to ensure there are no imperfections in the membrane. In this way there will be 3 coats in critical areas and 2 coats in general areas. All 4-6 hours between coats.

Floors of Wet Areas

Apply CEMIX Undertile Waterproofer to the wall/floor joints and sheet flooring joints and fixings using a brush, extending at least 100mm either side of the joints. Once these areas are dry, the entire floor area can be coated. Sufficient CEMIX Undertile Waterproofer must be applied onto the surface to achieve a minimum of 1.5 mm dried film thickness.

DRYING

Allow 4 – 6 hours between coats. Allow 48 hours to dry before flood testing and application of finished covering. Allow longer in adverse weather conditions.

TILING

Commence tiling after membrane has fully cured and the area has been flood tested. It is recommended that the membrane be tiled, or a mortar bed applied within 72 hours of membrane application since this eliminates surface contamination. If tiling is carried out after this time, ensure that the surface is clean and dry. CEMIX Wall & Floor Tile Adhesive or CEMIX SUPER TILE BOND mixed with CEMIX Tile Bond Latex as complete water replacement.

COVERAGE

Will vary according to the condition of the substrate and application technique. Generally allow 2 litres per M2 at 1.5mm dry film thickness

STORAGE

12 months - unopened containers in dry weatherproof storage.

PACKAGING

4L, 10L & 20L

LIMITATIONS

- The product is not designed to stop a hydrostatic head of water pressure or rising damp.
- Must not be used as a exposed top coating exterior membrane without consulting CEMIX
- Must not be used over damp, wet or contaminated substrates
- Must not be applied if it is raining or if rain is imminent
- Must not be applied directly over protective coatings
- Must not be applied over the recommended coverage
- To eliminate possible surface contamination or damage, it is recommended that tiling be carried out as soon as the membrane has cured
- Timber and particleboard flooring must be overlaid with fibrous cement sheeting
- Must not be used as a wearing surface for foot or vehicle traffic
- Must only be used as recommended

- Do not apply where the surface temperature is below 5°C or greater than 30°C

TECHNICAL DATA

Appearance	Thick blue paste
Bulk density	1.3 Kg/litre
Elongation at break	Over 300% [Class 3]

CLEAN UP

Clean tools and equipment with Xylene. Use disposable brush and roller sleeves.

SAFETY PRECAUTIONS

SAFETY

Avoid contact with eyes and skin, both from wet and dry mix. Do not breath in dust. Wear suitable protective clothing, gloves, eye protection and barrier cream. Wash thoroughly after handling and properly store any leftover material.

FIRST AID

Irrigate eyes with plenty of water and seek medical advice immediately.

SPILLS/LEAKS

Keep out of sewers and storm water and dispose off any leftover as trade waste in accordance with local authority guidelines. Additional info can be had from the brochures or calling 0800 ASK CEMIX.

DISCLAIMER

Please Note: Recommendations and advice regarding the use of this product are to be taken as a guide only. CEMIX LTD. does not give any warranty express or implied as to the suitability of this product for your particular use, because the usage of this product is beyond the control of CEMIX LTD. If you need advice concerning the use of suitability of this product for your particular application, please contact CEMIX LTD first. If this product is defective because of CEMIX LTD's fault, please contact the supplier or CEMIX LTD. who will replace it at no cost.