

# Flexible Sealer

## ONE PACK WATERPROOFING MEMBRANE APPLIED PRIOR TO TILING BATHROOMS & BALCONIES OR LEFT EXPOSED ON ROOFS & BALCONIES

### PACKAGING



### MIXING



### APPLICATION



### USES



### SUBSTRATES

CONCRETE  
BUILDING BOARDS  
BRICK BLOCK  
RENDER  
METAL ROOFING  
CEMENT SHEET

**ABSAC appraisal No 209 Certificate of Conformity 2001/003**  
**(Waterproofing of wet areas in buildings)**

### DESCRIPTION

A premixed one pack, water based, brush/roller applied, acrylic membrane, which when cured becomes a tough elastic heavy duty UV resistant waterproof membrane. The cured membrane will remain elastic and can bridge seal hair-line cracks and can resist mild chemical attack.

### USES

A waterproofing membrane applied prior to tiling on wet areas (bathrooms, shower alcoves, laundries) and tiled over or exposed on balconies and roofs. Apply to properly prepared concrete, cement render, masonry brick/block, screed and building board ie. cement sheet, gypsum, compressed cement.

### FEATURES

- Easy to apply – does not require mixing, application equipment washes clean in water.
- Fully flexible coating that will accommodate extremes in movement.
- Excellent UV light resistance.
- Hygienic coating that can be used in direct contact with food and drinking water.
- Excellent adhesion to most common building materials after correct surface preparation.
- Bridges and seals hair-line cracks.
- Colour – White – Pastel colour to special order – or pigmented with normal aqueous pigments.

### COVERAGE (Approximate)

Two coats giving a final coverage of 2 litre/m<sup>2</sup> (dry film thickness 1.5mm).

### PERFORMANCE DATA

**Conforms to AS/NZS 4858. Class 3 membrane**

**Adhesion to Substrate** Mortar 0.57 N/mm<sup>2</sup>  
(AS 1526)

**Crack Bridging** up to 1mm pass (C.S.I.R.O. moving joint test.)

**Chemical resistance** pass 2.5% Acid-10% Alkali (2 months immersion)

**Water transmission** ASTM E96 (dessicant method) 1.46 lgm/m<sup>2</sup>/24hrs

**Weather Resistance** 2000 hours in weatherometer No visible change

**Ultimate tensile strength** AS/NZS 4858 1.2Mpa

**Elongation** AS/NZS 4858 486%

**Potable water test** (BS6920) pass

### SPECIFICATION

The waterproof membrane shall be a one pack acrylic and have a minimal performance of 1.2 Mpa tensile strength 486% elongation such as FLEXIBLE SEALER manufactured by Construction Chemicals and shall be applied in accordance with the application instructions, AS3740 & AS4654.2, local building codes and good trade practice.

**To be applied in accordance with AS3740 & AS4654.2**

## **SURFACE PREPARATION**

New concrete must be a minimum of 25 MPA and be at least 28 days old and free of mould oils.

Surfaces must be sound, free of grease, oil, dust and other contaminants.

Prepare surfaces in the following manner before applying FLEXIBLE SEALER.

**Render/Screed** must be allowed to cure for 7 days and finished semi smooth with a wood float.

**Masonry** – Smooth surfaces must be roughened mechanically, washed thoroughly and allowed to dry. Prime surfaces with PRIMAX.

## **BOND BREAKER AND REOMAT**

At the junction of building surfaces and over crack, apply the bond breaking system to accommodate extremes in movement.

The bond breaking system is the application of BOND BREAKING TAPE or neutral cure silicone centrally over the crack or junction (as per AS3740 & AS4654.2), then the application of a thick coat of FLEXIBLE SEALER 150mm wide centrally to these areas and bed in a 140mm wide REOMAT into the wet FLEXIBLE SEALER.

## **APPLICATION – as per AS 3740 & AS4654.2**

Apply two coats of membrane to the area to be waterproofed, which must be graded to a waste, and 100mm up the surrounding walls and down wastes and to drip moulds on balconies. Apply the second coat at 90° to the first as soon as it is dry. (Recoat time is approximately 2 hours at 20°C). Apply each coat thickly (approx. 1.5mm wet) allowing it to flow rather than being brushed on. Use a soft brush or roller for best results. Clean brushes etc. in water while coating is wet.

A final dry film thickness of 1.5mm is required.

**Curing:** Protect from rain and water for the first 24 hours. Allow 3 days before tiling. Cold damp conditions – increase the set time. Hot dry weather reduces set time.

**Immersed application must be allowed to cure for 28 days before putting into use.**

**Thickness:** Check the wet film thickness at 0.5 metre intervals and also at 0.5 metres along the bond breaker, with a wet film thickness gauge.

## **PRECAUTIONS**

- Apply at temperatures between 10°C-35°C.
- At above 30°C temperatures the membrane exhibits thermoplastic characteristics.
- Not to be used over surfaces where continuous rising damp is a problem or hydrostatic pressure is present.
- When used in shower alcoves should be allowed approximately 3 days at 20°C 50%RH (depending on conditions) before tiling.
- Allow 7 days after application of before using shower.
- Seal damp substrates with one coat of EPECRETE.

## **CLEANING**

Equipment may be cleaned using clean water. Cured material is removed using solvents i.e. MEK or Xylene.

## **SHELF LIFE**

2 years

**CONSTRUCTION  
CHEMICALS**

● **ADELAIDE** 135 CORMACK RD (Cnr Davis St) WINGFIELD 5013 PH: (08) 8243 7888 FAX: (08) 8243 7800  
● **BRISBANE** 45 COULSON ST WACOL 4076 PH: (07) 3271 2944 FAX: (07) 3271 3892  
● **MELBOURNE** 11 GABRIELLE CT BAYSWATER NORTH 3153 PH: (03) 9761 4711 FAX: (03) 9761 4748  
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● **SYDNEY** 31-33 NEWTON RD WETHERILL PARK 2164 PH: (02) 9756 3533 FAX: (02) 9756 3534  
● **AUCKLAND** 16 CARPENTER RD EAST TAMAKI PH: (09) 273 5444 FAX: 0800 266 236  
● **KUALA LUMPUR** LOT 2 JALAN KECAPI 33/2 ELITE INDUSTRIAL ESTATE OFF JALAN BUKIT KEMUNING  
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