

Flexible Sealer

Packaging



Mixing



Application



Uses



Substrates

Concrete,
Building boards,
Brick, Block,
Render,
Metal roofing,
Cement sheet

One-pack waterproofing membrane applied prior to tiling bathrooms & balconies or left exposed on roofs & balconies

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 and seal hairline 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 i.e. cement, gypsum, compressed cement sheets.

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
- Can be overpainted with water based paints to match surroundings

Coverage (Approximate)

Two coats give a final coverage of 2L/m² (dry film thickness 1.5mm).

Performance Data

Conforms to AS/NZS 4858 Class 3 membrane

Adhesion to Substrate Mortar - 0.57N/mm² (AS1526)

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 (desiccant method) 1.461gm/m²/24hrs

Weather Resistance (2000 hours in weatherometer) no visible change

Ultimate Tensile Strength (AS/NZS 4858) 1.3MPa

Elongation (AS/NZS 4858) 450%

Potable Water Test (BS6920) pass

Specification

The waterproof membrane shall be a one-pack acrylic and have a minimal performance of 1.3MPa tensile strength 450% 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.

Surface Preparation

New concrete must be a minimum of 25MPa and be at least 28 days old and free of mould oils. The surface to be waterproofed must be structurally sound and free from dirt, dust, grease, paint, wax, laitance and all 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**.

Building Boards - gypsum, cement sheet and porous surfaces prime with **Primebond**. Compressed cement sheet prime with **Primax**.

Bond Breaker and Reomat

At the junction/joints in building surfaces i.e., floors/walls/walls, wastes etc., apply centrally over the junction, bond breaker tape or a 13mm bead of neutral cure silicone (allow to become touch dry). Apply a 150mm wide thick coat of **Flexible Sealer** and bed the 140mm wide Reomat into the first wet coat of membrane.

Membrane Application

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 @ 23°C @ 50% relative humidity). 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.

Shower Alcoves

If a ponding test is required, allow to cure for 7 days before testing.

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

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 @ 23°C @ 50% relative humidity (depending on conditions) before tiling
- Allow 7 days after application before using shower
- Seal damp substrates with one coat of **Epecrete**
- **Flexible Sealer** will withstand light maintenance traffic. Protect surface with paint/screed/tiling/**Deckgrip** if traffic is more regular
- **Waterproofed areas must be sloped to a drain and water must not pond**

Cleaning

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

Shelf Life

2 years

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