

## FLEXIBLE WATERPROOFING MEMBRANE

### PACKAGING



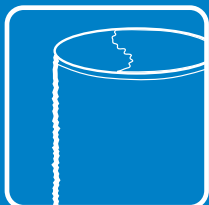
### MIXING



### APPLICATION



### USES



### SUBSTRATES

CONCRETE  
BUILDING BOARDS  
BRICK BLOCK  
RENDER  
METAL ROOFING  
CEMENT SHEET  
STRUCTURAL TIMBER  
FLOORING

**ABSAC appraisal No 132 National Accreditation 94/028**  
(Waterproofing of wet areas in buildings)

### DESCRIPTION

Flexible Sealer is a premixed one pack water based heavy duty acrylic plastic membrane that is easily applied by brush, roller or spray to form a resilient coating over metal and masonry surfaces that will flex with the structure, waterproofing it and giving protection from weathering. Flexible Sealer is formulated to remain pliable and elastic, to bridge and seal hair-line cracks and to resist mild chemical attack and adhere to damp substrates.

### USES

An economical waterproof membrane for substrates not subject to heavy foot traffic i.e. shower alcoves, bathrooms, roofs, decks, basements, ponds and tanks.

For the permanent exterior and interior protection and weatherproofing of cement render, concrete, cement sheeting, galvanised iron and pre-primed steel on structures such as commercial buildings, flats, grain silos and bridges.

### 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 1.4 litre/m<sup>2</sup> (dry film thickness 1.5mm).

### PERFORMANCE DATA

<b>Adhesion to Substrate</b> (AS 1526)	Aluminium	4.75 N/mm <sup>2</sup>
	Mortar	0.57 N/mm <sup>2</sup>
	Glass	0.69 N/mm <sup>2</sup>

**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** ASTM D412 1.97

**Elongation** ASTM D412 351%

**Potable water test** (BS6920) pass

### SPECIFICATION

The waterproof membrane shall be a one pack acrylic and have a minimal performance of 1.97 N/mm<sup>2</sup> tensile strength 351% Elongation such as Flexible Sealer manufactured by Construction Chemicals and shall be applied in accordance with the application instructions.

## 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 free of grease, oil, dust and other contaminants.

Prepare surfaces in the following manner before applying Dribond Flexible Sealer:

**Galvanised iron – New** – Degrease with turps or white spirits and wash clean with water and allow to dry. **Rusty** – Wire brush to remove flaky rust, and treat with a rust inhibitor. Remove dust and dirt.

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

**Masonry** – Smooth surfaces must be roughened mechanically, washed thoroughly and allowed to dry. Prime surfaces with a 50/50 solution of Flexible Sealer and water.

**Steel** – Remove rust with a wire brush and apply a rust inhibitor to affected areas. Exposed steel to be primed with a metal primer.

**Timber** – Prime with a timber primer.

**Painted surfaces** – Scrub thoroughly with a detergent and water and abrade with a wire brush or sand down to obtain a good mechanical key. Poorly adhered paint must be removed.

**Structural cracks, joints or junctions in building surfaces** – Apply a 50mm wide bond breaking tape (masking tape) over the crack or the junction of the two surfaces and bed an open weave glass mesh into the first wet coat of Flexible Sealer. Bridge the crack by a minimum of 50mm each side.

## APPLICATION

Apply two coats for permanent results. 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 film thickness of 1.5mm is required.

Curing: 7 days at 20°C at 50% relative humidity. Protect from rain for the first 24 hours. 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.

## PRECAUTIONS

- Apply at temperatures between 10°C-30°C.
- At above 30°C temperatures the membrane exhibits thermoplastic characteristics.
- Not to be used over surfaces where continuous rising damp is a problem for hydrostatic pressure is present.
- Used in shower alcoves should be allowed approximately 72 hours at 20°C 50°RH (depending on conditions) before tiling. Allow 7 days after application of before using shower.
- It is advisable to flood test the shower after curing (approximately 72 hours at 20°C 50°RH). This should be done before tiling commences.

## 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**

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