Dribond
CONSTRUCTION CHEMICALS

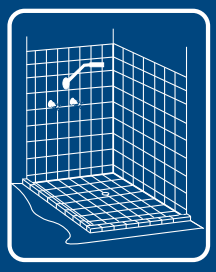
Flexible Sealer

Packaging

Mixing

Application

Uses



Substrates

Concrete,
Wet area board,
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, wet area board, 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
- Conforms to AS/NZS 4858 Class 3 membrane

Coverage (Approximate)

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

Performance Data

Conforms to AS/NZS 4858 Class 3 membrane
Adhesion to Substrate Mortar - 0.57N/mm^2 (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/m^2/24hrs
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

Surface preparation is essential for effective waterproofing. The surface must be structurally sound and thoroughly cleaned, free from dirt, dust, grease, paint, wax, laitance, mould release, curing agents and any other contaminants. Protrusions that could puncture the membrane should be ground flat and holes and voids filled with **Patch & Anchor**. Installation of building boards must adhere to both manufacturer's instructions and local building codes.

Cracks and junctions in building surfaces require application of **Driband Joint Sealing Tape**, bond breaker tape or silicone to accommodate movement before membrane application. New concrete should be wood float finished and allowed to cure for 28 days. Steel float finished concrete, renders and screeds, must undergo mechanical abrasion to remove laitance. Old concrete needs cleaning with a strong detergent/degreaser, thorough washing and drying.

All porous substrates, cement sheet and gypsum board must be primed with **Primebond** to prevent excessive moisture draw from the membrane. All external surfaces should be primed with **Primax**. Metal surfaces should be rust-free and primed with a rust inhibiting primer. Waterproofed floors, roofs and balconies should slope to a drain outlet as per relevant standards.

Additionally, new concrete must be a minimum of 25MPa, at least 28 days old and free of mould release agents, curing compounds and any other contaminants before waterproofing. Specific surface preparation methods vary for different materials:

- **Render/Screed**: allow curing for 7 days and finish semi-smooth with a wood float.
- **Masonry**: smooth surfaces must be mechanically roughened, thoroughly washed and dried before priming with **Primax**.
- **Building Boards**: Gypsum, cement sheet and porous surfaces require priming with **Primebond**, while compressed cement sheet should be primed with **Primax**.
- All external surfaces should be primed with **Primax**.

Bond Breaker

As per AS3740, it is necessary to install bond breakers at areas subject to movement. These areas include wall/wall junctions, wall/floor junctions, penetrations, floor wastes, sheet joints and seams or substrate types. This can be achieved with the use of **Driband Joint Sealing Tape** (as outlined in the technical datasheet), bond breaker tape or neutral cure silicone. Where reinforcement of **Flexible Sealer** is required (static cracks/sheet joints), apply neutral cure silicone as a bond breaker, allow to cure, then apply a 150mm liberal coat of **Flexible Sealer** and firmly press **Reomat** or **Driband Joint Sealing Tape** into the wet membrane. Apply a second coat of **Flexible Sealer** to embed the **Reomat** or **Driband Joint Sealing Tape**.

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.

Must be applied in accordance with all relevant **Construction Chemicals** technical information: www.constructionchemicals.com.au/tech-info/

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 24 hours before testing.

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**
- To eliminate contamination or damage, any finished covering must be applied as soon as the membrane has cured.

Cleaning

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

Shelf Life

When stored in the original, unopened packaging, in a dry place @ 23°C @ 50% relative humidity, the product has a 24 month shelf life.

Dribond CONSTRUCTION CHEMICALS

Adelaide (08) 8243 7888
Brisbane (07) 3271 2944
Melbourne (03) 9761 4711
Perth (08) 9356 9999
Sydney (02) 9756 3533
Auckland (09) 273 5444
Kuala Lumpur (603) 5122 2522

www.constructionchemicals.com.au