

Liquid Flash 1

Reinforced, brush-applied, waterproofing membrane

Packaging



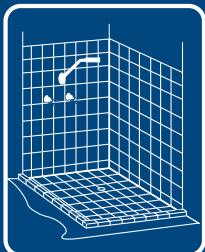
Mixing



Application



Uses



Substrates

PIPES
Metal, Plastic
ROOFS
Metal, Concrete,
Brick, Block,
Cement render

Description

A premixed, one-pack, water-based, microfibre reinforced acrylic, flexible, waterproofing membrane that is easily applied with a brush to form a resilient waterproof/flashing membrane between different building surfaces.

Liquid Flash 1 will remain pliable and elastic and will bridge cracks and smooth irregular surfaces. Can be overpainted with water-based acrylic paints to colour match surroundings. The cured membrane is resistant to UV and mild chemical attack. Conforms to AS/NZS 4858 Class 3 membrane for use in internal wet areas. Internal wet areas must be waterproofed in accordance with AS3740 and local regulations.

Uses

A waterproof membrane for roofs, balconies, retaining walls, planter boxes, internal wet areas (e.g. bathrooms, kitchens, laundries and toilets). A flashing material for roof vent pipes, parapet walls and roof sheeting/tiles. For use on cement render, concrete, brick, block and building boards, such as wet area board and cement sheeting on walls and compressed cement sheeting on floors, roof and gutter repairs.

Features

- Easy to apply - apply straight from the bucket
- Permanently flexible microfibre reinforced membrane
- Excellent UV Light resistance
- Excellent adhesion to correctly prepared surfaces
- Bridges cracks
- Can be overpainted with water-based acrylic paints to colour match surroundings
- Available in colours grey and blue

Coverage (Approximate)

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

Performance Data

Conforms to AS/NZS 4858 Class 3 membrane

Weather Resistance

Slight chalking after over 5000 hours QUV

Moisture Vapour Transmission

0.001 perms-cm when tested in accordance with ASTM: E96-66

Tensile Strength (AS/NZS 4858) 1.5MPa

Elongation (AS/NZS 4858) 420%

Adhesion to Substrates (AS1526J)

Aluminium 4.75N/mm²

Mortar 0.57N/mm²

Glass 0.69N/mm²

Exceeds SISIR (Singapore) requirements for rooftop waterproofing

Specification

The waterproof flashing shall be a microfibre reinforced, water-based, acrylic membrane and have a tensile strength 1.5MPa and 420% elongation,

such as **Liquid Flash 1** manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's instruction.

Surface Preparation

The surface to be waterproofed must be structurally sound and free from dirt, dust, grease, paint, wax, laitance and all other contaminants. Treat surfaces as follows before applying **Liquid Flash 1**.

Galvanised iron (new) - degrease with xylene or similar and wash clean with water and allow to dry.

Rusty surfaces - wire brush to remove flaky rust and treat with a rust inhibitor.

Timber - prime with a timber primer.

Plastic pipes - roughen area to be coated with sand paper.

Painted surfaces - abrade with a wire brush or sand down to obtain a good mechanical key. Scrub thoroughly with detergent and water and allow to dry.

Cement sheet / wet area board and porous surfaces - prime with **Primebond**.

Masonry - render must be at least 7 days old, concrete 28 days old and a minimum 25MPa. Smooth surfaces (concrete, compressed cement sheet) must be washed thoroughly and allowed to dry. Prime with **Primax**. Abrade or sand contaminated surfaces to provide a totally clean surface.

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 **Liquid Flash 1** is required (static cracks/sheet joints), apply neutral cure silicone as a bond breaker, allow to cure, then apply a 150mm liberal coat of **Liquid Flash 1** and firmly press **Reomat** or **Driband Joint Sealing Tape** into the wet membrane. Apply a second coat of **Liquid Flash 1** to embed the **Reomat** or **Driband Joint Sealing Tape**.

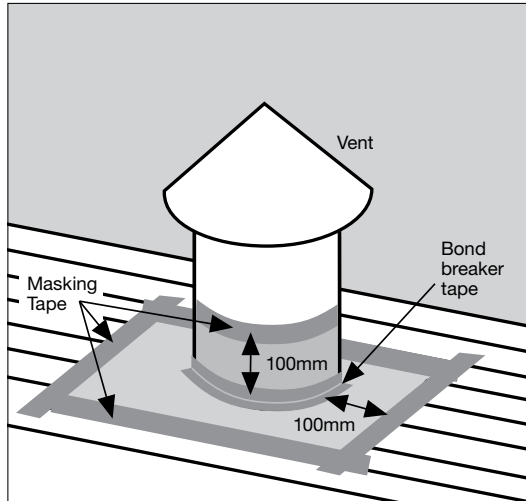
Membrane Application

Application to be applied in accordance with AS3740 and 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 waste and drip mould 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 (approximately 1.5mm wet) allowing it to flow rather than being brushed on. Use a soft brush for best results. Clean wet brushes in water. A final thickness of 1.5mm is required.

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

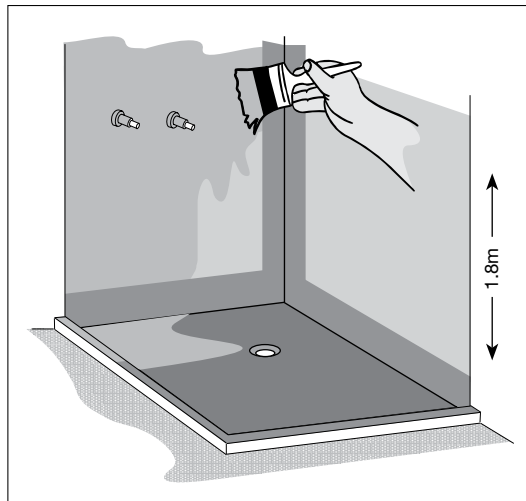
Flashing Application

At the junction of two surfaces apply bond breaker tape equally to both surfaces. This will eliminate wastage of material dropping through the hole and allow for extremes of movement. On round pipes use 50mm square pieces of masking tape around the circumference of the pipe. To make a clean line at the edge of the flashing, apply masking tape to the outside of the area to be coated. Apply two coats 100mm or more to each surface. Can be painted to colour match surroundings.



Shower Alcoves

If pond testing is required, ensure the membrane is allowed to cure for a minimum of 24 hours before testing.



Curing

7 days @ 23°C @ 50% relative humidity.
Protect from rain for the first 24 hours.
Cold damp conditions – increase curing time.
Hot dry conditions – reduces curing time.

Precautions

- Apply at temperatures between 10°-35°C
- At above 30°C temperatures the membrane exhibits thermoplastic characteristics
- Do not thin material or add filler
- Do not use over surfaces where continuous rising damp is a problem or hydrostatic pressure is present
- Shower alcoves should be allowed 3 days to cure before tiling. Allow to cure 7 days before use
- Seal damp substrates with one coat of **Epecrete**
- **Liquid Flash 1** will resist light/maintenance foot traffic. Protect the 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 with clean water, cured material with xylene or MEK.

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.



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The information contained in this technical publication is based on our current knowledge and experience and is provided as a guide only. In view of the many factors that may affect application it is the user's sole responsibility to ensure suitability for a specific purpose. Always refer to the most recent technical datasheet for the product concerned at: www.constructionchemicals.com.au