

# Technical Data Sheet

# DAMPFIX



architectural +  
structural  
adhesives

## DESCRIPTION

**Dampfix** is an acrylic waterproofing membrane used for waterproofing shower recesses, bathrooms, laundries, roofs and decks. **Dampfix** is part of a system.

## FEATURES & BENEFITS

- Water based
- Non-toxic
- Easy to apply
- Flexible
- Low odour
- Internal and external applications

## RECOMMENDED FOR

- Concrete
- Cement render
- Brickwork
- Fibrous cement sheeting
- Water resistant plasterboard
- Gyprock
- Timber
- Particleboard
- Plywood



## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

Surfaces must be firm, clean, dry, sound and smooth. All grease, oil, wax, curing compounds, dust droppings, loose material, paint and any other contaminants must be removed. Timber and particleboard flooring must be sanded. Fibrous cement sheeting and water resistant plasterboard must be fixed in accordance to the manufacturer's directions. Allow concrete to cure for 28 days and cement render to cure for 7 days prior to application of **Dampfix**. Porous surfaces must be primed with **ASA Multiprime** prior to the application of **Dampfix**.

**ASA Multiprime** is a synthetic latex based liquid which can be used for priming a variety of substrates prior to the use of **ASA** water-based waterproofing membranes. **ASA Multiprime** eliminates dust and reduces porosity of plasterboard, fibrous cement sheeting, porous concrete and timber floors.

**ASA Multiprime** should be applied onto the correctly prepared surface using a brush, roller or sponge. Allow to dry for at least 30 minutes prior to the application of **Dampfix**. **ASA Multiprime** is available in 20 litre, 5 litre and 1 litre plastic jerry cans. **ASA Multiprime** is white in colour when applied, and dries clear.

PVC pipes must be primed with **Bostik N40 Primer**. Dense concrete and metal surfaces must be primed with **ASA Multiprime - 2 Part**.

**ASA Multiprime - 2 Part** is a two part epoxy primer specifically developed for use on non-porous substrates such as dense, smooth concrete, existing tiles and **ASA** approved polyurethane membranes. **ASA Multiprime - 2 Part** provides a good bond coat prior to the application of **ASA** approved tile adhesives, **ASA** self levelling compounds and **ASA** approved waterproofing membranes. **ASA Multiprime - 2 Part** is a uniform blue liquid. **ASA Multiprime - 2 Part** is available in 20 litre, 8 litre and 4 litre kits.

Apply **ASA Neutral Cure Silicone** to all wall/wall joints. Wall/floor joints require the installation of a backing rod covered by a 75mm continuous tape of polyethylene/polypropylene tape. All sheet joints and fixings must also be filled with **ASA Neutral Cure Silicone**, before applying a coat of **Dampfix** over all sheet joints extending 100mm either side of the joint.

### APPLICATION

The application of **Dampfix** must comply with AS3740-2004 "Waterproofing of Internal Wet Areas in Residential Buildings".

It is advisable to wear protective gloves when applying **Dampfix**, **ASA Dampfix Random Mat** and **ASA Dampfix Bandage**.

NOTE: A minimum thickness of 1mm dried **Dampfix** is required for optimum waterproofing properties. **Dampfix** must be applied at 1 litre per m<sup>2</sup> per coat. Once the first coat of **Dampfix** has been applied to the substrate, immediately bed the **ASA Dampfix Random Mat**/ **ASA Dampfix Bandage** into the wet **Dampfix**. A second coat of **Dampfix** must be applied at a rate of 1 litre per m<sup>2</sup> per coat, ensuring the **ASA Dampfix mat** is fully wet out.

### MEMBRANE RE-INFORCEMENT

**Dampfix Bandage** (supplied as a white 200ml strip) and **Dampfix Random Mat** (1 metre wide) must be used to re-inforce **Dampfix**. This re-inforcement is made of fibreglass - chopped glass strands bonded together with an emulsion binder with a weight of 225g/m<sup>2</sup>.

### Shower Recesses

Cut the **ASA Random Mat** and **ASA Bandage** to fit the shower dimensions. Apply **Dampfix** to the internal vertical corners of the shower using a paintbrush. Immediately position **ASA Dampfix Bandage** into the wet **Dampfix**. Cover with a heavy coat of **Dampfix** ensuring the bandage is completely wetted out and no air bubbles exist. Repeat for the wall/floor joints. Apply **Dampfix** to floor area. When coating the floor, the **Dampfix** must be dressed down into the waste at least 50mm. Position the **ASA Random Mat** into the wet **Dampfix**. Apply a second coat of **Dampfix** ensuring the mat is completely wetted out and no air bubbles exist. Allow to dry for a minimum period of 24 hours. A third coat may need to be applied if imperfections are present in the membrane or if a thickness of 1mm dried **Dampfix** is not achieved.

### Floors of Wet Areas and Decks

**Dampfix** should be applied to the wall/floor joints and sheet joints, as in the shower recess application. Apply a coat of **Dampfix** with a brush or roller onto the primed floor. Immediately position the **ASA Dampfix Random Mat** into the wet **Dampfix**. Force the mat into the wet **Dampfix** to ensure complete contact is achieved. Then apply a heavy coat of **Dampfix** over the mat ensuring that it is completely wet out and no air bubbles exist. NOTE: It is recommended that an area of 1-2 square metres only be worked at any one time. Allow **Dampfix** to dry for approximately 24 hours depending on weather conditions, prior to the installation of tiles. Membrane must have a minimum 1mm dried thickness.

### Roofs

**Dampfix** is recommended as a waterproofing membrane for non-trafficable areas. Application is the same as for "Floors of Wet Areas and Decks".

### CLEAN UP

Clean tools and equipment with warm water and detergent while the membrane is still wet.

### PACKAGING

20 litre, 10 litre and 4 litre plastic pails.

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### COVERAGE

Approximately 2 litres per m<sup>2</sup> at 1mm thick dried film.

### RECOMMENDED TILE ADHESIVE

Walls – **ASA Asaflex**, **ASA Megafix** (internal use only) or **ASA Conflex**. Floors – **ASA Asaflex**, **ASA Conflex** or **ASA Fixall** mixed with undiluted **ASA Megalastic**. Timber - **ASA Asaflex**.

### SAFETY PRECAUTIONS

During application of **Dampfix**, avoid contact with skin and eyes. Wear eye protection and gloves. Use in a well ventilated area. If contact with skin occurs, flush eyes with copious quantities of clean water for at least 15 minutes and contact a physician. For more detailed information refer to product MSDS.

### SHELF LIFE

Unopened pails can be stored for up to 12 months in a cool, dry and weatherproof environment.

### LIMITATIONS

- **Dampfix** is not a vapour barrier nor designed to stop a hydrostatic head of water pressure (for this application, **ASA Dampfix Moisture Seal** vapour barrier is recommended).
- **Dampfix** should not be installed on wet, contaminated, or friable substrates.
- **Dampfix** should not be applied if raining or if rain is imminent.
- **Dampfix** should not be applied to surfaces with protective coatings without prior consultation with **ASA**.
- Rate of cure will be inhibited when air or substrate temperatures are below 5°C, or if applied over a vapour barrier.
- **Dampfix** should not be applied over recommended coverage of 1 litre per square metre and 1mm wet film thickness in one application.
- **Dampfix** requires atmospheric conditions to cure. It should not be used in totally confined or air free spaces.
- To eliminate possible surface contamination or damage, it is recommended tiling, mortar bed application or finished flooring be carried out as soon as possible after full cure of membrane application.
- **Dampfix** must not be used as a wearing surface for foot or vehicle traffic.
- Any intended application of **Dampfix** outside of intended use should be referred to **ASA** technical services for approval.
- Do not apply where the surface temperature is below 10°C or greater than 35°C.

| PHYSICAL PROPERTIES    |                        |
|------------------------|------------------------|
| <b>Appearance:</b>     | Thick white paste      |
| <b>Mixed SG:</b>       | 1.28 g/cm <sup>3</sup> |
| <b>Mixing ratio:</b>   | No mixing required     |
| <b>pH:</b>             | 8-9                    |
| <b>Re-inforcement:</b> | Required               |

| MECHANICAL PROPERTIES ( <i>re-inforced</i> )                                |   |
|---|---|
| <b>As per AS/NZS 4858:2004</b>  |   |
| <b>Tensile strength:</b>  | 11.1 Mpa                                |
| <b>Elongation at break:</b>   | 36%                                     |
| <b>Cyclic movement: 50 cycles</b>   | Complies                                |
| <b>Moisture vapour transmission rate<br/>ASTM E96 Desiccant<br/>Method:</b> | 1.431 grams / m <sup>2</sup> / 24 hours |
| <b>Water absorption – AS 3558.1:</b>  | 4.76%                                   |
| <b>Class 1</b>  | Low extensibility                       |

**TECHNICAL SERVICES TOLL FREE NUMBER**  
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 or visit [www.asaltd.com.au](http://www.asaltd.com.au)  
 a member of the Bostik group of companies



### GUARANTEE

ASA guarantees this product for 10 years provided application is in accordance with manufacturer's directions and the Australian Standards for Waterproofing. ASA's liability is limited to the cost of replacing effected ASA product only. ASA reserves the right to inspect. Contact ASA for full guarantee terms.

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