

# Technical Data Sheet

## DAMPFIX 3



architectural +  
structural  
adhesives

### PRODUCT

**Dampfix 3** is a two component, cement based, acrylic modified and fibre reinforced waterproofing membrane suitable for most internal and external waterproofing applications.

### DESCRIPTION

**Dampfix 3** is specifically formulated to be low in odour and is suitable for internal and external waterproofing applications by brush or roller. **Dampfix 3** is fibre reinforced to increase its strength and does not require the use of reinforcing matting. Being cement based, **Dampfix 3** is fast drying, allowing for early tiling with **ASA** approved adhesives.

### FEATURES & BENEFITS

- Low odour for ease of use in internal applications.
- Easy to apply by brush or roller.
- Fibre reinforced not requiring the use of reinforcing matting.
- Good flexibility to cater for building movement.
- Fast drying – may be tiled after a minimum of 24 hours.
- Water based for easy application and clean up.

### RECOMMENDED FOR

- Internal wet areas including showers, bathrooms, toilets and laundries to be tiled.
- Roofs, decks, balconies and planterboxes.
- Suitable for a broad range of substrates including: concrete, cement render, brickwork, particleboard, water resistant plasterboard and fibrous cement sheeting.



### APPLICATION INSTRUCTIONS

#### SURFACE PREPARATION

All surfaces must be clean, dry, free of voids, curing compounds, laitance, loose friable material, oils, grease, sealers, release agents, and any other contaminants that are likely to prevent adhesion of the **Dampfix 3**. Surface must also be structurally sound before the application of **Dampfix 3**. Allow new concrete to cure for 28 days and cement render to cure for 7 days prior to the application of **Dampfix 3**. Do not apply over concrete slabs containing a high moisture content. Refer to **ASA Dampfix Moisture Seal** vapour barrier technical data sheet regarding application. Rough and uneven surfaces should be repaired prior to the application of **Dampfix 3**.

#### COVERAGE

To achieve a dry film thickness of 1mm, **Dampfix 3** must be applied at a rate of 0.8 litres/m<sup>2</sup> per coat. Minimum of two coats is required.

#### PREPARATION – INTERNAL WET AREAS

The application of **Dampfix 3** must comply with AS3740 2004 “Waterproofing of Internal Wet Areas in Residential Buildings”. Building boards must be installed in accordance with the manufacturer’s directions. Ensure correct screed to falls in the shower recess base, and pipe outlets, angles and drainage are installed correctly.

#### PRIMING

Porous surfaces must be primed with **ASA Multiprime** in accordance with manufacturer’s directions. **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 3**. **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.

#### CORNERS & SHEET JOINTS

All corners where **Dampfix 3** is to be applied should be rounded off with a caulking gun application of **ASA Neutral Cure Silicone**. Sealant must be applied directly in all wall/wall, wall/floor, hob/floor and hob/wall joints. All sheet joints must be filled with **ASA Neutral Cure Silicone** and extend 5mm either side of the joint. All gaps around taps, shower outlets, waste outlets, pipes, drains, flashings, and nail/screw holes must be sealed using **ASA Neutral Cure Silicone**.

#### CRACKS

Static cracks less than 1mm are to be cleaned with any loose material removed. Prime the area with **ASA Multiprime** and apply two 200mm wide coats of **Dampfix 3** to the area, achieving a minimum dry film thickness of 1mm. Static cracks between 1mm and 4mm wide are to be prepared in the same manner. The area must be primed with **ASA Multiprime** and then a bead of **ASA Neutral Cure Silicone** must be applied into the crack, extending 5mm either side of the crack, and then apply two 200mm wide coats of **Dampfix 3** to the area achieving a minimum dry film thickness of 1mm. **NOTE:** If tiling, movement joints should be taken to the surface of the tiles. Fill joints with **ASA Neutral Cure Silicone**.

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### MIXING

Stir **Dampfix 3** liquid before commencing. 1 litre of **Dampfix 3** liquid mixes with 1kg of **Dampfix 3** powder. Pour a measured amount of stirred liquid into a clean pail. Slowly add the required amount of powder with continuous mixing, until a lump free, thick paint consistency is achieved. A low speed mechanical mixer is recommended. Allow to stand for 5 minutes then remix. **Dampfix 3** is now ready to use.

### APPLICATION – INTERNAL WET AREAS

**WALLS** – After priming and joint sealing, apply **Dampfix 3** to the internal corners of the shower using a paint brush. Ensure the corner is well coated, extending 100mm either side of the joint. This must extend past the height of the shower rose. It is important to coat around the tap body in the wall. The wall/floor joint must then be coated extending 100mm onto the floor and up the wall 100mm. • Where the height of the hob is greater than 75mm, then **Dampfix 3** must extend at least 25mm above the height of the hob. Apply **Dampfix 3** to wall surfaces, coating all wall/wall joints, wall/floor joints, protrusions and wall surface.

**FLOORS** – When coating the floor, **Dampfix 3** must be dressed down into the waste at least 50mm. • Allow to dry for 6 hours (longer required for cold or humid conditions) before recoating. • Apply final coat to ensure no imperfections are present in the membrane. • Sufficient **Dampfix 3** must be applied onto the surface to achieve a minimum 1mm thick dried film. • Allow a minimum of 24 hours to cure before tiling (longer required for cold or humid conditions).

### APPLICATION – EXTERNAL DECKS & ROOFS

After priming and joint sealing, apply **Dampfix 3** to wall/floor junctions and sheet flooring joints using a brush, extending at least 100mm either side of the joint. Once dry, the entire floor area must be coated. Sufficient **Dampfix 3** must be applied onto the surface to achieve a minimum 1mm thick dried film. Ensure **Dampfix 3** is applied underneath existing cover flashing or install an appropriate flashing over the membrane. Apply **Dampfix 3** into wastes, drains or onto puddle flanges. Prior to application of **Dampfix 3** to balcony penetrations, install a flanged metal upstand around the penetration. Prime with **ASA Multiprime - 2 Part** and seal off the perimeter of the penetration with a 10mm bead of **ASA Neutral Cure Silicone**. After final application of the membrane, place a suitable flashing collar around the penetration, sealing with **ASA Neutral Cure Silicone**. Apply a final coat to ensure no imperfections are present in the membrane. Allow a minimum 24 hours to cure before tiling.

### DRYING TIME

Allow **Dampfix 3** to dry for 4-6 hrs (longer required for cold or humid conditions) between coats.

### TILING AND MORTAR BED COVERING

This may be carried out after **Dampfix 3** has been allowed to cure for a minimum of 24 hours at a temperature of 25°C (longer in lower temperatures). 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 membrane has cured.

### 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**.

### MOIST OR DAMP SURFACES

**Dampfix 3** should not be applied to surfaces, which are moist or damp. Applications to these surfaces can result in adhesion failure and or bubbling of the surface of the membrane. New concrete must be allowed to cure for a minimum of 28 days. If substrate moisture is evident, **ASA Dampfix Moisture Seal** vapour barrier must be applied and allowed to fully cure before application of **Dampfix 3** (Refer to **ASA Dampfix Moisture Seal** technical data sheet).

### CLEAN UP

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

### PACKAGING

20 litre/20kg kit (2 x 10kg bags)  
10 litre/10kg kit

### SAFETY PRECAUTIONS

If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do not induce vomiting. Give a glass of water. It is advisable to wear gloves and use good occupational health and safety practices to avoid personal contact. For more detailed information refer to product MSDS.

### SHELF LIFE

Unopened pails and bags can be stored for up to 12 months in a cool, dry and weatherproof environment. Bags must be stored off the floor.

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### LIMITATIONS

- **Dampfix 3** is not a vapour barrier nor is it designed to stop a hydrostatic head of water pressure. (For this application, **ASA Dampfix Moisture Seal** vapour barrier is recommended).
- **Dampfix 3** should not be installed on wet, contaminated, or friable substrates.
- **Dampfix 3** should not be applied if raining or if rain is imminent.
- **Dampfix 3** 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 3** should not be applied over recommended coverage of 1 litre per square metre and 1mm wet film thickness in one application.
- **Dampfix 3** requires atmospheric conditions to cure. It should not be used in totally confined or air free areas.

PHYSICAL PROPERTIES	
Liquid:	Thick white liquid
Specific gravity:	1.03g/cm <sup>3</sup>
pH:	8-9
Powder:	Cementitious grey powder
Bulk density:	1.22 g/cm <sup>3</sup>

MIXED PHYSICAL PROPERTIES	
Mixing Ratio:	1: 1 by weight
Specific gravity:	1.56 g/cm <sup>3</sup>
Pot life:	4 hours
Re-inforcement:	Not required

MECHANICAL PROPERTIES (re-inforced)	
As per AS/NZS 4858:2004	
Tensile strength:	0.99 Mpa
Elongation at break:	280%
Cyclic movement: 50 cycles	Complies
Moisture vapour transmission rate ASTM E96 Desiccant Method:	3.143 grams/m <sup>2</sup> /24 hours
Water Absorption AS 3558.1:	5.50%
Class 2	Medium extensability

**TECHNICAL SERVICES TOLL FREE NUMBER**  
**1800 813 890 Australia**  
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or visit [www.asaltd.com.au](http://www.asaltd.com.au)  
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### 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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