

## technical data sheet

# DAMPFIX 2

## Acrylic Based Fibre Reinforced Waterproofing Coating

### DESCRIPTION

Dampfix 2 is an acrylic, fibre reinforced waterproofing membrane used for waterproofing shower recesses, bathrooms, laundries, roofs and decks.

### USES

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

### FEATURES

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

### TYPICAL PROPERTIES

PHYSICAL PROPERTIES	
Liquid	Thick white paste
Mixed SG	1.28g/cm <sup>3</sup>
Mixing ratio	No mixing required
pH	8-9
Reinforcement	Not required
MECHANICAL PROPERTIES (reinforced)	
As per AS/NZS 4858: 2004	
Tensile Strength	1.22MPa
Elongation at Break	258%
Cyclic Movement	Complies (50 cycles)
Moisture Vapour Transmission Rate ASTM E96 Desiccant Method	1.724 grams/m <sup>2</sup> /24 hours
Water Absorption AS 3558:1 Class 2	6.03% Medium extensibility

### 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 the application of Dampfix 2. Porous surfaces must be primed with Bostik Multiprime prior to the application of Dampfix 2.

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

Bostik 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 2. Bostik 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 Bostik Multiprime - 2 Part. Bostik 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 Bostik approved polyurethane membranes. Bostik Multiprime - 2 Part provides a good bond coat prior to the application of Bostik approved tile adhesives, Bostik self-levelling compounds and Bostik approved waterproofing membranes. Bostik Multiprime - 2 Part is a uniform blue liquid.

Apply Bostik Neutral Cure Silicone to all wall/wall joints, wall/floor joints, hob/wall and hob/floor joints. All sheet joints and fixings must also be filled with Bostik Neutral Cure Silicone, before applying a coat of Dampfix 2 over all sheet joints extending 100mm either side of the joint.

#### APPLICATION

The application of Dampfix 2 must comply with AS3740 2004 "Waterproofing of Internal Wet Areas in Residential Buildings". Dampfix 2 should be applied using a brush or



roller. It is advisable to wear protective gloves when applying Dampfix 2.

**NOTE:** a minimum thickness of 1mm dried Dampfix 2 is required for optimum waterproofing properties. The surface onto which the Dampfix 2 is applied must be continuous. Dampfix 2 cannot span gaps. Dampfix 2 must be applied at 1 litre per m<sup>2</sup> per coat. Two coats are required. Allow membrane to cure for a minimum of 24 hours between coats.

**Shower Recesses** - Apply Dampfix 2 to the internal vertical corners of the shower using a brush. Ensure the corner is well coated. This must extend past the height of the shower rose. It is important to coat around tap protrusions in the wall. The wall/floor joint must be coated with Dampfix 2. The coat must extend onto the floor at least 100mm and onto the wall 100mm. Where the height of the hob is greater than 75mm, the Dampfix 2 must extend at least 25mm above the height of the hob. The walls should then be coated. Once the wall/wall junctions, wall/floor junctions, tap protrusions and walls are coated, then the shower floor must be coated. When coating the floor, the Dampfix 2 must be dressed down into the waste at least 50mm. The floor must be coated with the Dampfix 2 ensuring a minimum thickness of 1mm. Allow to dry for at least 24 hours (a longer time is needed in cold or humid conditions). Apply a final coat to ensure no imperfections are present in the membrane. Allow 24 hours to fully cure.

**Floors of Wet Areas and Decks** - Apply Dampfix 2 to wall/floor junctions and sheet flooring joints and fixings using a brush, extending at least 100mm either side of the joint. Once these areas are dry, the entire floor area can be coated. Sufficient Dampfix 2 must be applied onto the surface to achieve a 1mm thick dried film. Allow to dry for a period of 24 hours (longer in cool and humid conditions). Apply a final coat to ensure no imperfections are present in the membrane. Allow 24 hours to fully cure.

**Roofs** - Dampfix 2 is recommended as a waterproofing membrane for non-trafficable areas. Application is recommended as for "Floors of Wet Areas and Decks".

## CURING

Allow Dampfix 2 to dry for 24 hrs (longer required for cold or humid conditions) between coats.

## RECOMMENDED TILE ADHESIVES

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

## CLEAN-UP

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

## PACKAGING

Dampfix 2 is supplied in 20 litre, 10 litre and 4 litre plastic pails.

## COVERAGE

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

## STORAGE

Dampfix 2 has a shelf life of at least 12 months. Store all materials in a cool dry place, in an elevated condition.

## PRECAUTION

- Dampfix 2 is not a vapour barrier nor is it designed to stop a hydrostatic head of water pressure. (For this application, Bostik Dampfix Moisture Seal vapour barrier is recommended).
- Dampfix 2 should not be installed on wet, contaminated, or friable substrates.
- Dampfix 2 should not be applied if raining or if rain is imminent.
- Dampfix 2 should not be applied to surfaces with protective coatings without prior consultation with Bostik.
- Rate of cure will be inhibited when air or substrate temperatures are below 5°C, or if applied over a vapour barrier.
- Dampfix 2 should not be applied over recommended coverage of 1 litre per square metre and 1mm wet film thickness in one application.
- Dampfix 2 requires atmospheric conditions to cure. It should not be used in totally confined or air free areas.
- To eliminate possible surface contamination or damage, it is recommended that tiling, mortar bed application or finished flooring be carried out as soon as possible after full cure of membrane application.
- Dampfix 2 must not be used as a wearing surface for foot or vehicle traffic.
- Any intended application of Dampfix 2 outside of intended use should be referred to Bostik technical services for approval.
- Do not apply where the surface temperature is below 10°C or greater than 35°C.

## HEALTH AND SAFETY

During application of Dampfix 2, 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.



**Disclaimer:** The information detailed in this data sheet is liable to modification from time to time in the light of experience and normal product application, and therefore customers are advised to check with Bostik Holding Hong Kong Limited, quoting the reference number that they possess the latest issue. The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik Holding Hong Kong Limited be liable to anyone except for replacement of the products or refund of the purchase price.

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