

Technical Data Sheet

DAMPFIX PU



architectural +
structural
adhesives

DESCRIPTION

Dampfix PU is a flexible, elastomeric one part moisture curing waterproofing polyurethane membrane used for shower recesses, bathrooms, laundries, balconies, decks, roofs and planterboxes. Dampfix PU is available in brush, trowel and low viscosity grades.



CSIRO
Appraised
Technical Assessment No - 335



FEATURES & BENEFITS

- Pre-mixed
- Highly flexible
- Requires no re-inforcing
- Easy to apply
- Internal and external application

RECOMMENDED FOR

- Concrete
- Cement render
- Blockwork and brickwork
- Fibrous cement sheeting
- Water resistant plasterboard
- Plywood
- Particleboard

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

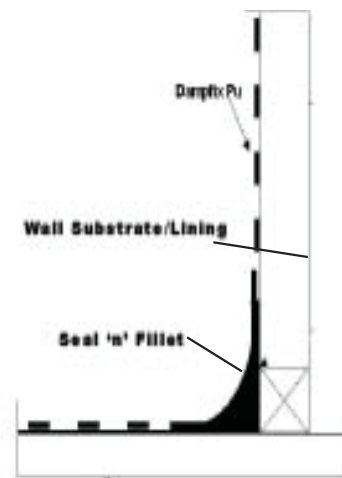
Surfaces must be firm, dry, sound and smooth. All grease, oil, wax, curing compounds, dust, plaster droppings, loose material, paint and any other contaminants must be removed. **Building boards must be fixed in accordance with the manufacturer's directions.** Allow concrete to cure for 28 days and cement render for 7 days prior to the application of **Dampfix PU**. Do not apply over concrete slabs that are damp or contain moisture unless the slab has been primed with **ASA Dampfix Moisture Seal**.

Priming: Generally surfaces do not require priming. In areas where the substrate is damp or water is likely to rise up below the membrane, then **ASA Dampfix Moisture Seal** must be used prior to the application of **Dampfix PU**. Highly porous substrates should be primed with **ASA Dampfix Moisture Seal**. **ASA Dampfix Moisture Seal** is a water based epoxy which dries to form a waterproof barrier.

Crack Treatment: For static cracks up to 3mm, clean thoroughly then fill with **ASA Dampfix Seal 'n' Fillet** to a minimum of 2mm depth. Allow to dry. **Dampfix Seal 'n' Fillet** is a white, low modulus, moisture curing polyurethane sealant. **ASA Dampfix Seal 'n' Fillet** comes in 600ml (720 grams) sausages
Sheet Joints: Apply a bead of **ASA Dampfix Seal 'n' Fillet** at all wall/floor joints, wall/wall joints, all sheet joints and fixings and at any change of direction in the substrate.

Read precautions prior to applying any product.

- Commencement of membrane installation shall be taken as acceptance of the substrate suitability and preparation by the applicator.
- Falls in floor finishes should ensure water exits in the area at the drainage outlet or doorway if that is the designed exit point. Water should not pond on the floor with the exception of residual water remaining due to surface tension.
- All surfaces must be clean, dry and free of voids, curing compounds, projections, loose materials, oils, grease, sealers and determined to be structurally sound before the application of **Dampfix PU**.
- New concrete must have cured for 28 days, mortar beds and screeds 7 days.
- **Dampfix Moisture Seal** vapour barrier should be used to seal concrete slabs and screeds containing high moisture content (over 15%) prior to any membrane application.
- Particularly rough surfaces should be filled using a recommended **ASA/Bostik** floor-leveling compound making sure to follow instructions for preparation, application and curing time.
- **Dampfix PU** Membranes should not be applied in any application until all preparation steps have been completed.



APPLICATION

The application of **Dampfix PU** must comply with AS3740-2004 "Waterproofing of Internal Wet Areas in Residential Buildings". **Dampfix PU** can be applied with a brush or roller. **Dampfix PU** must be applied to achieve a dry film thickness of 1.0mm for optimum performance. To achieve the required dry film thickness apply the **Dampfix PU** at a rate of 0.65 litres/m² per coat. Two coats are required. Allow a minimum of 24 hours between coats.

Note: Protection boards must be used to protect the membrane before back filling or concreting.

CLEAN UP

Clean tools and equipment with **Bostik Handi-Clean Wipes** while the membrane is still wet.

PACKAGING

15 litre metal pails and 4 litre plastic pails.

TILING

Commence tiling after membrane has fully cured. It is recommended that the membrane be tiled, or a mortar bed applied within 72 hours of membrane application since this eliminates surface contamination. If tiling is carried out after this time, ensure that the surface is clean and dry.

RECOMMENDED TILE ADHESIVE

Internal Wall Applications

Wash **Dampfix PU** membrane with water and **Bostik Sugar Soap** diluted to 20:1 and rinse off with clean water and allow to dry.

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ASA Polyflex, ASA Megafix, ASA Conflex and ASA Superglue

Internal Floors and External Applications:

Option 1: ASA Polyflex

Option 2: The membrane must be primed with **ASA Epoxy Prime - 2 Part** water based epoxy. Prime at a rate of 6 to 8m² per litre, ensuring the membrane is fully covered. Tiling must commence within 48 hours of application of **ASA Epoxy Prime - 2 Part** using **ASA Fixall** mixed with undiluted **ASA Megalastic, ASA Conflex** or **ASA Superglue**. Refer to **ASA Epoxy Prime - 2 Part** data sheet for full application details.

CURING TIME

Approximately 24 hours at 25°C.

COVERAGE

1.3 litres will cover approximately 1m² at 1.00mm dry film thickness.

SAFETY PRECAUTIONS

It is advisable to use good occupational health and safety practices to avoid personal contact. For more detailed information refer to product MSDS.

Product should only be applied under conditions of good ventilation and should be kept away from sensitive areas of the body as prolonged exposure may cause skin and/or respiratory irritation.

- Protective mask and safety glasses should be worn for spray applications due to atmospheric particulates.
- Avoid contact with the skin, eyes and avoid breathing its vapour.
- Wear protective gloves and glasses when open lid handling and in the application process.
- If poisoning occurs, contact a doctor or Poisons Information Centre.
- If swallowed, do not induce vomiting; give a glass of water.
- If skin contact occurs, remove contaminated clothing and wash skin thoroughly using Bostik Handi-Clean Towels.
- If in eyes, hold eyes open, flood with water for atleast 15 minutes and see a doctor.

SHELF LIFE

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

LIMITATIONS

- Do not use as an exposed finish or top coat exterior membrane.
- Dampfix PU should not be installed on damp, wet, contaminated or friable substrates.
- Do not use as a vapour barrier nor to stop a hydrostatic head of water pressure.
- Excessive water under the membrane will create bubbling.
- Do not apply the product in extreme temperatures of below 5°C and above 30°C.
- Do not use in chlorinated water ie swimming pools, spas.

DISCLAIMER: It is the users responsibility to check and read the latest updated Data Sheet and related information before using the product. Users should also check and perform their own tests when assessing the suitability of a product for a particular application under certain conditions.

| PHYSICAL PROPERTIES | |
|------------------------|------------------------|
| Appearance: | Thick grey paste |
| SG: | 1.23 g/cm ³ |
| Mixing ratio: | No mixing required |
| Re-inforcement: | Not required |



| MECHANICAL PROPERTIES | |
|---|-------------------------------------|
| As per AS/NZS 4858:2004 | |
| Tensile strength: | 2.14 Mpa |
| Elongation at break: | 470% |
| Cyclic movement: 50 cycles | Complies |
| Moisture vapour transmission rate ASTM E96 | 7.678 grams/m ² /24 hour |
| Dessicant Method: | |
| Water Absorption AS 3558.1: | 0.64% |
| Class 3 | High extensability |

TECHNICAL SERVICES TOLL FREE NUMBER

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