



# DAMPFLEX

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## DESCRIPTION

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A white, acrylic-based, non-trafficable waterproofing and sealing membrane, ready to use from the container, reinforced with fibreglass matting. Available in two colours – grey and white.

## USES

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- Provides a totally waterproof system, ideal for use in shower recess prior to tiling.
- Can also be used to waterproof terraces, balconies, concrete roofs and cement toppings.

## FEATURES AND BENEFITS

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- Dampflex is a ready to use waterproofing membrane making it easy to use directly out of the container.
- Dampflex is extremely flexible enabling it to cater for limited floor movement while absorbing vibration.
- Being a waterproofing membrane, Dampflex prevents surface water penetration when applied correctly.
- Dampflex is available in two colours, grey and white. This allows for ease of identification between coats and can be used as a quality control tool on job sites.
- Dampflex is a water-based product therefore it is non-hazardous and non-flammable.
- Dampflex has been CSIRO appraised, enabling it to be used on all Local, State and Federal Government jobs. Technical Assessment No: 126.

## SURFACE PREPARATION

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### General

- All surfaces must be structurally sound and free from dirt, dust, laitence, grease, paint, wax, oil and any other loose contaminants.
- Prior to application, remove all sharp protrusions, which may pierce the membrane.
- Any gaps/voids in the substrate must be treated, such that the gap/void is fully supported and firmly filled out.

### Concrete

- All new concrete slabs must be allowed to cure for at least 6 weeks and have a wood float finish.
- Old concrete must be cleaned with a strong commercial grade detergent or degreaser. Then thoroughly wash off all residue with clean water. Allow the surface to dry for at least 24 hours.
- If the concrete has a steel trowel or power float finish, it must be mechanically abraded to expose the aggregate.

### Render

- New rendered surfaces must have a wood float finish and be allowed to cure for at least 7 days.

### Lightweight Blocks

- Prime the surface with Davco Ultraprime.

### Metal Surfaces

- All metal surfaces must be totally free of rust.
- Prime metal surfaces with etching primer.

### Cracks/Joints - NOT subject to movement.

- Small hairline cracks, up to 1mm wide, may be filled by the first application of Dampflex.
- For cracks/joints wider than 2mm, a joint filler should be applied along the length of the crack prior to the application of Dampflex.

### Cracks/Joints - subject to movement.

- All cracks/joints, irrespective of their width, must be filled firstly with Davco Davsil (Silicone Sealant) or Sodaflex 603 (Polyurethane Sealant). Then 50mm wide polyethylene/polypropylene tape should be placed over the crack, ensuring it adheres to the surface.

### Building Boards

- Standard wall/floor building boards must be firmly fixed in accordance with manufacturer's instructions and appropriate Australian Standards. Such boards include plasterboard; fibre cement sheeting; marine grade ply and wet area composition board.
- Screw or nail heads must be sealed with epoxy.
- All sheeting joints need to be covered with 50mm wide polyethylene/polypropylene tape.

### Falls to Drain

- In all wet areas, it is important that falls be provided to the drain outlet. The slope of this fall should be 1:80 – which equates to a 12.5mm fall over 1m. If the existing substrate does not provide the necessary falls, a



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sand/cement screed needs to be created. Once the screed is in place, apply the membrane as per instructions below. Contact the Technical Advisory line for more information on an appropriate screed mix should this be required.

- For balconies and rooftops, it is important that falls be provided to the edges or the drain outlet. The slope of this fall should be 1:100 – which equates to a 10mm fall over 1m. If the existing substrate does not provide the necessary falls, a sand/cement screed needs to be created. Once the screed is in place, apply the membrane as per instructions below. Contact the Technical Advisory line for more information on an appropriate screed mix should this be required.

## APPLICATION

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### Priming

- All surfaces, especially porous surfaces should be primed using Dampflex Primer. This can be applied via brush, or short nap roller to cover the substrate. One litre of Dampflex Primer will cover approximately 8-10m<sup>2</sup> of surface – depending on the porosity and texture. Allow the primer to dry for approximately 30 minutes prior to application of the membrane.

### Bond Breaker

#### Abelrod

- When using Abelrod as a bond breaker, prime the surface first, as per instructions. Allow to dry.
- Place Abelrod along all wall/floor and wall/wall junctions, and secure into place with polyethylene/polypropylene tape.

#### Silicone or Polyurethane

- When using either Davsil (Silicone) or Sodaflex 603(Polyurethane) as a bond breaker, apply the bead into the corner, and smooth out with spatula or smoothing tool, to give a rounded cove in the corner.

### General Application

- Use a thick brush or roller to apply one coat of Dampflex on the area to be sealed.
- Place pre-cut, manageable lengths of fibreglass matting and roll immediately into the wet Dampflex.
- Allow to dry for approximately 4 hours at 20°C.

- Apply a second coat over the fibreglass mat ensuring that all of the fibreglass is covered. Allow to dry for 4 hours.
- Finally, apply a third coat of Dampflex at a 90° angle to the previous coat and allow to dry for 24 hours at 20°C.
- If necessary apply a fourth coat. Always ensure that no pinholes are left on the surface.
- When used on an external deck, a mortar coving is recommended at the turn up where all vertical walls meet the deck. Take the reinforced membrane up a minimum of 50mm above the top edge of the coving. Always ensure the membrane is pushed into all corners completely.

**Note:** At temperatures below 20°C both the drying and curing time of the Dampflex will be increased. At temperatures above 20°C both the drying and curing time of the Dampflex will be reduced

### Drain Application

- Prime inside and around the drain as per priming instructions.
- Apply a generous coat of Dampflex inside and around the drain. Next, press the fibreglass matting into the wet Dampflex punching a hole in the fibreglass over the drain using a brush and then pressing the matting into the wet Dampflex inside the drain.
- Apply a second coat of Dampflex over the matting, ensuring that the matting in and around the drain is thoroughly covered.

**Note:** Do not try to apply more than 2m<sup>2</sup> of Dampflex at a time before rolling in the fibreglass matting, as premature drying may occur and result in inadequate wetting of the fibreglass. The fibreglass must be completely covered and filled by the second application of Dampflex.

### Ponding

If pond testing is required, ensure the membrane is allowed to cure for a minimum of 7 days before pond testing.

## PRECAUTIONS

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- Do not allow the product to freeze.
- Do not apply if the temperature is in excess of 35°C or less than 5°C.



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- Delay external applications when inclement weather is imminent.
- Do not thin, it is supplied ready for use.
- Do not add sand to Dampflex as this will reduce flexibility and can cause cracking.
- Do not apply Dampflex too thickly in wall and floor junctions as it reduces the flexibility of the product.
- Dampflex is not recommended for use in areas of permanent water immersion like swimming pools, spas etc.
- Do not use where negative hydrostatic pressure is evident (ie: rising damp), as it affects the bond of Dampflex. Contact your ParexDavco (Australia) Pty Ltd office for product recommendation in areas where negative hydrostatic pressure exists.
- Ensure that the membrane is not covered by tiles or other materials for at least 24 hours after the application of the final coat, to allow the membrane to cure. If used in confined areas or in unfavourable weather, the effective drying of the membrane will take longer.
- For other uses or the use of Dampflex over substrates/situations not mentioned, contact your nearest Davco office, or phone the ParexDavco (Australia) Pty Ltd Technical Advisory Line.

## COVERAGE

When used with fibreglass reinforcing:

- 4 litres of Dampflex will cover approx 1.5m<sup>2</sup>.
- 10 litres of Dampflex will cover approx 4m<sup>2</sup>.
- 20 litres of Dampflex will cover approx 8m<sup>2</sup>.

These coverage rates are dependent on site conditions.

## CLEAN UP

Tools and excess Dampflex can be cleaned up with water while it is still wet.

## PACKAGING

- Dampflex liquid is available in the following colours and packages:
  - White – 4 litre, 10 litre and 20 litre containers
  - Grey – 20 litre containers

- Dampflex Primer is available in 1 litre, 4 litre and 20 litre containers.
- Fibreglass matting is available in 100m x 1m rolls, 100m x 200mm rolls and 100m x 125mm rolls.

## SHELF LIFE

Up to 12 months in an unopened container, stored in a cool dry place.

## TECHNICAL DATA

Properties:

Appearance: White or Grey Paste

Specific Gravity: 1.3kg/litre

Re-Coat Time @ 20°C: 4 hours

Drying Time 20°C: 24 hours

% Elongation (7 days dry):

350% (without reinforcing)

50% (with reinforcing)

Tensile Strength (7 days dry):

1.8 MPa (with reinforcing)

2.2Mpa (without reinforcing)

## DISCLAIMER

*The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. All workmanship must be carried out in accordance with AS 3740 - 1994.*

*The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.*

**PAREX DAVCO**

ParexDavco (Australia) Pty Limited

ABN 28 093 876 55 8

67 Elizabeth Street Wetherill Park NSW 2164 Australia

Telephone: 61 2 9616 3000 Facsimile: 61 2 9725 5551

Toll Free Technical Advice Line: 1800 653 347

Email: [technical@parexdavco.com.au](mailto:technical@parexdavco.com.au) Website: [www.parexdavco.com.au](http://www.parexdavco.com.au)

