



# DAMPFLEX REO

---

## DESCRIPTION

---

An internally reinforced acrylic membrane which negates the use of conventional reinforcement at wall/floor junctions and areas to be waterproofed. Available in two colours, white and grey.

## USES

---

- Waterproofing of shower recess/wet areas.
- Can also be used to waterproof terraces and balconies.

## FEATURES AND BENEFITS

---

- Dampflex Reo's formulation reduces costs through faster application, reduced materials costs, and faster drying time, providing earlier access to following trades.
- Dampflex Reo's visible reinforcement provides confident application, without the need for conventional reinforcement.
- Dampflex Reo's visible reinforcing and advanced formulation provides an accelerated drying rate enabling same day re-coating and earlier access to the following trades.
- Dampflex Reo's visible reinforcement contributes to a non-slump, high film build over bond breakers and provides faster, more economical installation.
- If desired Dampflex Reo can be additionally reinforced with Davco Lag-Seal at wall/floor junctions.
- Dampflex Reo is a water based environmentally friendly product, providing reduced effects to the health of applicators and localised tradesmen.
- Dampflex Reo has excellent bleach resistance, allowing it to be used in showers, for domestic and commercial applications.
- Dampflex Reo 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 Reo has been CSIRO appraised, enabling it to be used on all Local, State and Federal Government jobs. Technical Assessment No: 289.
- Dampflex Reo has been tested to AS4858 and is classified as a Class II (flexible) Waterproofing Membrane

## SURFACE PREPARATION

---

### 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 (new or old) 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 REO.
- For cracks/joints wider than 2mm, a joint filler should be applied along the length of the crack prior to the application of Dampflex REO.

### 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 sand/cement screed needs to be created. Once the screed is in place, apply the membrane as per instructions below. Contact the



# DAMPFLEX REO

---

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

---

### Priming

- All surfaces, especially porous surfaces should be primed using Davco Ultraprime. This can be applied via brush, roller or airless spray to cover the substrate. One litre of Ultraprime 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 Reo on the area to be sealed.
- Allow drying for approximately 2-4 hours at 20°C.
- Apply a second coat of Dampflex REO at a 90° angle to the previous coat and allow drying for 24 hours at 20°C.
- If necessary apply a third coat. Always ensure that no pinholes are left on the surface.

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

### Drain Application

- Prime inside and around the drain as per priming instructions.

- Apply the first coat of Dampflex REO in and around the drain. Allow the first coat to dry for approximately 1-2 hours at 20°C.
- Apply a second coat in and around the drain ensuring no pinholes or air bubbles are present on the membrane surface. If necessary apply a third coat. Allow to dry 24 hours at 20°C after final coat.

### Ponding

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

## PRECAUTIONS

---

- Do not allow the product to freeze.
- Do not apply if the temperature is in excess of 35°C or less than 5°C.
- Delay external applications when inclement weather is imminent.
- Do not thin, it is supplied ready for use.
- Do not add sand to Dampflex REO as this will reduce flexibility and can cause cracking.
- Do not apply Dampflex REO too thickly in wall and floor junctions as it reduces the flexibility of the product.
- Dampflex REO 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 REO. 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 REO over substrates/situations not mentioned, contact your nearest ParexDavco (Australia) Pty Ltd office, or phone the ParexDavco (Australia) Pty Ltd Technical Advisory Line.

## COVERAGE

---

For all applications, two high build coats of Dampflex Reo is recommended. This application is at a rate of 1.5L/m<sup>2</sup>, and yields a dry film thickness of 1mm. The following coverage rates are expected:

- 15 litres will cover approx 10m<sup>2</sup>.
- 4 litres will cover approx 2.5m<sup>2</sup>.



# DAMPFLEX REO

---

## CLEAN UP

---

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

## PACKAGING

---

- Dampflex Reo liquid is available in the following colours and packages:
  - White – 4 litre and 15 litre containers
  - Grey – 15 litre containers
- Davco Ultraprime is available in 1 litre, 5 litre and 20 litre containers.

## 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:	1.6kg/litre
Re-coat Time:	2-4 hrs
Drying Time 20°C:	24 hours
% Elongation (7 day dry):	200%
Adhesion to Concrete:	1.5Mpa
Water Vapour Transmission:	0.20g/24h/m <sup>2</sup> /kPa
Crack Bridging:	Up to 1.6mm
Tensile Strength (7 day dry)	1.5 MPa
Full cure (at 20°C):	7 days

## 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 and CA55 – 1970.*

*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.*

**PAREXDAVCO**

ParexDavco (Australia) Pty Limited

ABN 28 093 876 558

67 Elizabeth Street Wetherill Park NSW 2164 Australia

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

Toll Free Technical Advice Line: 1 800 653 347

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

