



DAMPFAST

CLASS II MEMBRANE

DESCRIPTION

Dampfast is a grey, flexible, 2-part waterproofing and sealing membrane that eliminates the need for a reinforcement layer and which is capable of curing in approximately 6 hours, therefore making it possible to tile on the same day.

USES

Ideal for waterproofing shower recesses, laundries, terraces, balconies, concrete roofs, water tanks, cement toppings, planter boxes, etc.

FEATURES AND BENEFITS

- Dampfast is a flexible waterproofing membrane that eliminates the need for a reinforcement layer/matting, thus saving considerable application time and mess.
- Dampfast is capable of curing in approximately 6 hours at 20°C, therefore allowing for same day tiling.
- Dampfast once cured can be tiled over, using Davco's cement based or two part adhesives.
- Dampfast is a flexible membrane enabling it to cater for limited floor movement while absorbing vibration.
- Being a waterproof membrane, Dampfast prevents surface water penetration, when applied correctly.
- Because Dampfast is an acrylic-cement based waterproofing membrane, it is non-hazardous and non-flammable.
- Dampfast has a creamy consistency, allowing it to be applied easily with a soft brush or roller.
- Dampfast can be used as a tanking membrane, where conventional one part acrylic membranes would fail. This makes Dampfast ideal for water tanks, fishponds and planter boxes.
- Dampfast is suitable for application over screeds and renders which are only 24 hours old.
- Dampfast has been CSIRO appraised, enabling it to be used on all Local, State and Federal Government jobs. Technical Assessment No: 236.

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 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 Dampfast.
- For cracks/joints wider than 2mm, a joint filler should be applied along the length of the crack prior to the application of Dampfast.

Cracks/Joints - subject to movement - "Bond Breaker"

- All cracks/joints, irrespective of their width, must be filled firstly with Davco Davsil (Silicone Sealant) or Sodaflex 603 (Polyurethane Sealant) to a minimum 35mm radius. 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



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Technical Advice 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.

MIXING

- Dampfast is a 2-Part waterproofing membrane for on-site mixing.
- Each 20kg of Dampfast powder requires 10 litres of Dampfast liquid, or 4 kg powder requires 2 litres of liquid by weight.
- The mixing ratio by volume is 1.6 parts powder to 1 part liquid.
- Add powder slowly into the liquid while mechanically stirring to ensure proper mixing. **Always add powder to liquid.**
- Allow the mix to stand for 10 minutes and then re-stir before using.

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 8-10m² 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 of a minimum 35mm radius.

General Application

- Use a thick brush or a short nap roller to apply the first coat of Dampfast on the area to be waterproofed.
- **In any one coat the wet thickness must not exceed 2mm, but it must be greater than 1mm.**
- Allow the first coat to dry for approximately 45 minutes at 20°C. Burst any air bubbles before applying the 2nd coat at 90° to the first coat.
- Apply a third coat only if necessary or required to do so.
- **The use of Fibreglass matting is not recommended, as it affects the product's ability to cater for movement.**
- Allow the final coat to dry for at least 6-8 hours.

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

Drain Application

- Prime inside and around the drain as per priming instructions.
- Apply the first coat of Dampfast in and around the drain. Allow the first coat to dry for approximately 45 minutes 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 6-8 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 liquid or powder components 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.
- Once applied the Dampfast must not be exposed to intermittent water for at least 2 days, and at least 7 days for ponding or immersed situations.
- Do not thin the liquid, it is supplied ready for use.
- Do not add sand or cement to Dampfast as this will reduce flexibility and can cause cracking.
- Do not apply Dampfast too thickly in wall and floor junctions as it reduces the flexibility of the product.
- Do not use where negative hydrostatic pressure is evident (ie: rising damp), as it affects the bond of Dampfast. Contact your ParexDavco (Australia) Pty



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Ltd office for product recommendation in areas where negative hydrostatic pressure exists.

- For other uses or the use of Dampfast over substrates/situations not mentioned, contact your nearest ParexDavco (Australia) Pty Ltd office, or phone the Davco Technical Advisory Line.

COVERAGE

10lt/20kg of Davco Dampfast will cover approximately 12m² depending upon site conditions, when applied at a dry film thickness of 1.5mm.

CLEAN UP

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

PACKAGING

Dampfast is available in a 2lt/4kg Handy kit or 10lt/20kg unit.

SHELF LIFE

Up to 12 months in unopened bags and containers stored in a cool dry elevated place.

TECHNICAL DATA

Properties:	
Appearance of Mix:	Brown Paste
Specific Gravity of Mix:	1.7
Pot Life at 20°C:	2 hours
Drying Time at 20°C:	6-8 hours
% Elongation (7 day dry):	120%
Classification:	Class II Membrane

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 - 2004.

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

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