

DUROMASTIC ACS-2

CLASS II CEMENT-BASED MEMBRANE FOR SHOWERS, DECKS AND BALCONIES



DESCRIPTION

DUROMASTIC™ACS-2 is a two part high solids liquid / cement co polymer membrane with fibre reinforcement. DUROMASTIC™ACS-2 cures rapidly to form a flexible waterproof lining for showers and other wet areas as described in Australian Standard. ACS-2 is particularly suitable for applications where polymer modified render will be applied or in conditions where other water based waterproofing products have difficulty in drying due to excessive humidity and coolness.

DUROMASTIC™ACS-2 forms a waterproof lining to most building materials including reinforced concrete, cement render, water-resistant plaster board, and compressed cement sheeting, etc. The surface must be fixed according to manufacturers directions and must be clean and dry.

FEATURES

- Simple application, water based
- Fast drying
- Good flexibility
- Seamless, no joints or cracks
- Environmentally friendly
- Good resistance to foot traffic

USE AREA

- Showers and internal wet areas
- Decks
- Balconies

TECHNICAL INFORMATION

Colour	Grey
Weather Resistance	Good
Dry Time	Approx 3hrs @ 20°C, 0.8mm WFT
Recoat Time	2-4 hours @ 25°C
Coverage	Min. 2 coats, each at 0.8 litres/m ² [1.2 m ² /L]
Wet Film per coat	0.8mm. Use within 5 hrs of mixing
Dry Film Thickness	1.2mm min. total
Solids Content	75% by volume with powder, depending on mix ratio
Shelf Life	Liquid 12 months. Powder : 4 months in fully sealed container at 20°C and 50% R.H.

PACKAGING

20 litre liquid + 20 kg powder yielding approximately 30 litres of membrane.





APPLICATION

Floor wastes in concrete should be cut to floor level with no up stands. For sheet flooring, leak control flanges shall be fitted by the plumber to allow water to drain down into the waste pipe. These shall be etched primed.

Remove all dirt, dust, plaster droppings, protrusions, oil and contamination. Fill screw holes, with Neutral Cure Sealant.

To joints in sheet flooring, wall/floor junctions wall/wall junctions and all hob junctions, apply Duroseal 50FC Hybrid sealant as a fillet with DuroFabric Joint Seal Tape. Vertical joints should extend 100mm from floor and to finish 50mm above F.F.H (e.g. top of tiles)

Apply sealant around floor penetrations, tap flanges and other protrusions.

1. Remove all dirt, dust, plaster and cement droppings, protrusions, oil and contaminants. Fill screw holes and any voids with Durotech Duroseal 50FC sealant.

2. Apply a Durotech Duroseal Hybrid sealant to all horizontal joints within the area to be waterproofed. To all wall / floor and wall / wall junctions , apply approximately 12mm bead of Duroseal 50FC Hybrid Sealant with Durofabric Joint Seal tape as the Bond Breaker. Apply sealant around floor wastes, tap fittings and other penetrations. Floor wastes in concrete are to be cut level with the floor. For sheet flooring, leak control flanges must be recessed and fully sealed.

3. Prime internal surfaces with DUROTECH AR or DUROTECH ARW Primer. Prime external surfaces with DUROMASTIC™ WBE or Hibuild WBE. Allow to dry. Prime all PVC fitting with plumbing PVC primer.

4. Fill non-moving and hairline cracks with a brush coat of DUROMASTIC™ ACS-2. Moving cracks above 1mm shall be routed out, cleaned and filled with sealant. Apply a polyester reinforcing bandage embedded in DUROMASTIC™ ACS and allow to dry.

5. For sheet flooring joints, apply a 200mm wide reinforced bandage of polyester fabric embedded in DUROMASTIC™ ACS and allow to dry. Ensure joint movement is not beyond the elastic limits of the membrane.

6. Mix powder component into half the liquid until smooth, stand 5 minutes, restir and add the remainder of the liquid. DO NOT beat in air . DO NOT add water to mixture before or during use.

Apply two or more coats of DUROMASTIC™ ACS-2 to the floor and coved areas to ensure a minimum dry film thickness of 1.2mm. Apply one or two coats to wall areas above the shower tray to a dry film thickness of 0.5mm. Use a brush or short nap roller for walls. Ensure the membrane is turned down into the floor waste or well sealed around the leak control flange and other penetrations. Ensure flashing angles are properly sealed across doorways. Check for pinholes, misses or cracks in the membrane when dry and rectify.

FLOOD TEST & TILING

A flood test may be carried out after 72 hours of drying, at 25°C, 50% R.H.. Apply water to a depth of 25mm for approximately 2 hours.

DUROMASTIC™ ACS-2 may be tiled over after 3-4 days at 25°C, 50% R.H., using a quality cement based tile adhesive installed as per AS 3958.1.

APPLICATION

Do not apply above 30°C or below 10°C. Areas subject to rising damp or back pressure should be first sealed with an epoxy coating such as DUROMASTIC™ WBE or Hibuild WBE (Water Based Epoxy). Cold damp conditions retard cure, allow plenty of air flow to aid drying. Do not apply excessive thickness to internal corners, or shrinkage cracking may occur. Where there are sharp corners, application of a cove of sealant will help avoid any surface cracks. Make sure that the membrane is fully cured before tiling over, normally 1-3 days. Protect membrane against damage before and during tiling. Do not apply more than 1.2mm DFT or reduced flexibility will occur. Do not expose to solvents. DUROMASTIC™ ACS-2 is suitable for tiling over.

Ensure the powder component is sealed and stored in dry conditions at all times before use.

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