

# DUROMIX™ ACS-2

## CLASS II for Showers, Decks and Balconies

**DUROMIX™ACS-2** is a two part liquid / cement copolymer membrane with fibrous reinforcement.

**DUROMIX™ACS-2** cures rapidly to form a flexible waterproof lining for showers and other wet areas as described in **Australian Standard AS3740:2004 "Waterproofing wet areas within residential buildings"** & complies to **AS4858:2004 "Wet Area Membranes"**

**DUROMIX™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.

**DUROMIX™ACS-2** is suitable for external use on light pedestrian trafficable decks, parapets and flashings. Top coat with Duro Mastic™SR for UV resistance.

### PRINCIPLE CHARACTERISTICS

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

### USE AREAS

- Showers and internal wet areas
- Decks
- Balconies

### GENERAL

|                          |   |
|--------------------------|---|
| Colour                   | Green, Grey (dry)   |
| Weather resistance       | Good  |
| Dry Time                 | Approx 3hrs@ .8mm WFT@ 22°C                                       |
| Recoat Time              | 2-4 hours @ 25°C  |
| Coverage                 | Min 2 coats,each@.8litres/m <sup>2</sup> [1.2m <sup>2</sup> /Ltr] |
| Wet Film per coat        | 0.8mmUse within 5 hrs of mixing                                   |
| Dry Film Thickness       | 1.2mm min. total  |
| Elongation at break      | 295% @ 25°C   |
| Moisture Vapour Transfer | 3.56g/m <sup>2</sup> /24hrs                                       |
| Solids Contents          | 75% by volume with powder,<br>depending on mix ratio              |
| Shelf Life               | 6 months in unopened container @ 20°C                             |

### PACKAGING

- 20 litre liquid + 20 kg powder
- 10 litre liquid + 10 kg powder

### CLEANUP

Clean up with fresh water before curing.



**APPLICATION**

- Step 1: Remove all dirt, dust, plaster and cement droppings, protrusions, oil and contaminants. Fill screw holes and any voids with neutral cure silicone
- Step 2: Apply neutral cure silicone sealant to all horizontal joints within the area to be waterproofed. To all wall/floor and wall/wall junctions, apply approx 12mm bead of neutral cure silicone as a bond breaker. Apply sealant around floor wastes, tap fittings and other penetrations. Floor wastes in concrete shall be cut level with the floor. For sheet flooring, leak control flanges shall be recessed and fully sealed.
- Step 3: Prime internal surfaces with **DUROTECH AR** or **DUROTECH ARW** Primer. External surfaces shall be primed with **DUROMIX™ WBE**. Allow to dry. All PVC to be etch primed.
- Step 4: Cracks. Non-movement and hairline cracks may be filled with a brush coat of **DUROMIX™ ACS-2**. Movement cracks above 1mm shall be routed out, cleaned and filled with silicone sealant. Apply a polyester reinforcing bandage embedded in **DUROMIX™ ACS** and allow to dry.
- Step 5: Sheet flooring joints. Apply a 200mm wide reinforced bandage of polyester fabric in **DUROMIX™ ACS** and allow to dry. Ensure joint movement is not beyond the elastic limits of the membrane.
- Step 6. Mixing. Stir powder component into half the liquid until smooth, stand 5 minutes, re-stir and add the balance of the liquid. DO NOT add water to mixture before or during use.
- Apply two or more coats of **DUROMIX™ 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 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, @25°C, 50% R.H. Water shall cover to a depth of 25mm for approximately 2 hours.

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

**PRECAUTIONS**

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 **DUROMIX™ 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. 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 per coat or reduced flexibility will occur.

Do not expose to solvents.

**DUROMIX™ ACS-2** is suitable for tiling over.

**NOTE: DUROMIX™ ACS-2 used to be called Duromastic ACS-2**

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*The information provided in this technical bulletin is as correct in detail as possible and is intended to give a fair description of the product and its capabilities. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and that the product is not used beyond its physical limitations. The product is guaranteed providing that it is applied in accordance with the manufacturer's instructions as stated in this data sheet and any relevant Standard or Code and provided that the building and installation is structurally sound. Durotech terms and conditions of sale apply.*