PRODUCT DATA SHEET

DUROMASTIC™ ACS-2

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

DUROTECH
Commercial Waterproofing & Sealants

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 Standards. 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

- Fast drying
- Good flexibility
- Seamless, no joints or cracks
- Environmentally friendly
- Good resistance to foot traffic
- UV resistant
- Full resistance to re-emulsifying once fully cured
- Class II membrane in accordance with AS 4654.1 & AS 4858

USE AREA

- Internal wet areas such as bathrooms & laundries
- Balconies
- Retaining walls
- Underneath pedestal/paver
- Planter box
- Swimming pool & pool undercrofts

TECHNICAL INFORMATION

Colour	Grey
Weather Resistance	Good
Recoat Time	2-4 hours @ 25°C
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

COVERAGE

Minimum 2 coats, each at 1.2m² per L.

AUSTRALIAN MADE

SINCE 1977

APPLICATION

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

Remove all dirt, dust, plaster droppings, protrusions, oil and contamination. Fill screw holes, with DUROSEAL™ HYBRID sealant.

Joints in sheet flooring, wall / floor junctions wall / wall junctions and all hob junctions, apply DUROSEAL™ 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 DUROSEAL™ HYBRID 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 DUROSEAL™ HYBRID sealant.

2. Apply a 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™ 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. Sheet flooring, leak control flanges must be recessed and fully sealed with DUROSEAL™ HYBRID sealant.

3. Prime internal surfaces with DUROMASTIC™ ARW Primer or DUROPRIME™ SSP PRO. Prime external surfaces with DUROMIX™ HIBUILD WBE. Allow to dry. Prime all PVC fittings with DUROPRIME™ SSP PRO.

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 DUROSEAL™ HYBRID sealant. Apply a polyester reinforcing bandage embedded in DUROMASTIC™ ACS-2 and allow to dry.

5. Sheet flooring joints, apply DURO RF FABRIC 200mm wide embedded in DUROMASTIC™ ACS-2 and allow to dry. Ensure joint movement is not beyond the elastic limits of the membrane.

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

Apply two or more coats of DUROMASTIC™ ACS-2 to the wall & floor areas to ensure a minimum dry film thickness of 1.2mm. 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 waterstop flashing angles are properly sealed across doorways as per the Australian Standards. Check for pinholes, misses or cracks in the membrane when dry and rectify.

Do not apply above 30°C or below 10°C. Areas subject to rising damp or negative pressure should be first sealed with an epoxy coating such as DUROMIX™ HIBUILD WBE. Cold damp conditions slow curing, 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, apply DUROSEAL™ HYBRID sealant to create a cove and ensure DUROFABRIC™ JOINT SEAL TAPE is used inconjunction with DUROMASTIC™ ACS-2 to ensure no cracking of membrane.

Protect membrane against damage before and during tiling.

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

FLOOD TEST & TILING

A flood test may be carried out after 72 hours of drying, at 25°C, 50% relative humidity. Apply water to a depth of 25mm for approximately 2 hours. DUROMASTIC™ ACS-2 may be tiled over after 3 to 4 days at 25°C, 50% relative humidity. Install tiles with DUROTILE™ PRO tile adhesive installed as per AS 3958.1

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