

DURO MASTIC™ ACS

Complies to AS/NZS4858: 2004 - Class III Membrane

DURO MASTIC™ ACS is a liquid applied acrylic membrane which, when reinforced and fully cured, forms a flexible waterproof lining for showers and other wet areas as described in **Australian Standard AS3740:2004 "Waterproofing of wet areas within residential buildings"** and **AS4858:2004 "Wet Area Membranes"**

DURO MASTIC™ ACS forms a waterproof lining to most building materials including reinforced concrete, cement render, water resistant plasterboard and fibre cement sheet flooring etc. The surface must be firmly fixed to manufacturers directions, free of protrusions, dirt, oil and other contaminants and surface must be dry.

PRINCIPLE CHARACTERISTICS

- Simple application - single pack, water based
- Good flexibility
- Seamless, no joins.
- Environmentally friendly
- Non toxic

USE AREAS

- Shower tray and wet areas
- Decks and balconies

PACKAGING

- 15 Litre White & Grey
- 10 Litre White & Grey
- 4 Litre White only

CLEANUP

- Clean up with fresh water before dry.

GENERAL

Colour	Grey or White
Weather resistance	Good
Dry Time	2-4 hours @ 25°C
Recoat Time	4-6 hours @ 25°C
Coverage	Min 2 Coats, each @1 litre/m ²
Wet Film per coat	1.00mm
Dry Film Thickness	1.00min total
Elongation @ break	500% (without reinforcing) @25°C 250% (with reinforcing fabric) @25°C
Moisture Vapour Transfer	1.55g/m ² /24hr
Solids Content	50% by volume
Shelf Life	12 months in unopened container @ 20°C



APPLICATION

Note: Floor wastes in concrete should be cut to floor level with no up-stands. For sheet flooring, leak control flanges should be fitted and be recessed, flush with the substrate. All PVC fittings, shall be etch primed.

STEP 1: Remove all dirt, dust, plaster droppings, protrusions, oil and contaminants. Fill screw holes with Neutral Cure Silicone. All sheet joints should be filled with Neutral Cure Silicone.

STEP 2: All wall/floor junctions, wall/wall junctions and all hob junctions, apply 12mm neutral-cure silicone* sealant as a bond breaker/slip joint. Vertical joints should extend 75-100mm from floor and to 1.8m high in showers. Apply sealant around floor penetrations, tap flanges and other protrusions. For all floor joints up to 5mm wide install bond breaker tape greater than 12mm or Neutral Cure Silicone.

STEP 3: Priming: Concrete Render, CFC, timber and Plaster board.

Prime internal substrates with **DUROTECH ARW** Sealer.

Prime external substrates with **DUROTECH AR** Sealer, **DUROMIX™ WBE**, for damp surfaces at the rate of 3 - 4 m²/Ltr.

STEP 4: To the prepared surface apply a heavy coat of **DURO MASTIC™ ACS** by brush or roller at approx 0.5-1 litre/m². Immediately lay the matting into the wet surface, then apply another coat and work in carefully by brush or roller to saturate the matting. Completely saturate the matting ensuring no misses. Excessive application of **DURO MASTIC™ ACS** will greatly reduce drying time. Apply sufficient coats for overall DFT of 1mm.

Reinforcement:

Use 225gsm fiberglass and/or equivalent synthetic reinforcement as follows. Use reinforcement to total floor area and bandage floor joints, wall/floor junction, wall/wall junctions and shower hobs. Ensure the membrane is dressed down into the floor waste or well sealed around the leak control flange and also ensure membrane is turned up around penetrations.

STEP 5: When dry apply one or more coats to give a fully waterproof lining. Apply one heavy coat to the walls above shower tray to finish 50mm above the shower rose.

When dry check for pin holes or misses and rectify if necessary.

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 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. Wash equipment with water before dry. Do not fix tiles until fully cured. Areas subject to rising damp should be first sealed with an epoxy coating, i.e. **DUROMIX™ WBE**. Protect membrane against damage before and during tiling. Tile over external compressed cement sheeting within 4 weeks. When tiling over external membrane surfaces ensure full allowance is made for expansion and contraction which may damage the membrane.

Do not expose to solvents.

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DUROTECH

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.