



DURO MASTIC™ TOUGHSET

A MODIFIED ACRYLIC URETHANE MEMBRANE FOR UNDER TILE WATERPROOFING

DURO MASTIC™ TOUGHSET membrane is a single component, high solids, water-borne membrane modified with acrylic, urethane and SBR. This membrane has been formulated to create a tenacious bond to most surfaces, **DURO MASTIC™ TOUGHSET** is a tough flexible waterproof membrane with a high film strength, that will expand and contract under normal substrate movement. It is supplied as a thixotropic liquid, which is easily applied to both vertical and horizontal surfaces. The formulation is fully optimized to ensure quick tack free time.



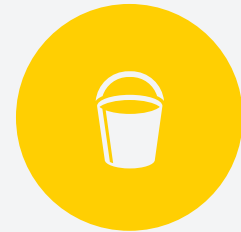
PRINCIPLE CHARACTERISTICS

- ◆ Single component
- ◆ Water clean-up
- ◆ Environmentally friendly, non toxic
- ◆ Ease of application
- ◆ Tenacious bond
- ◆ Suitable for most substrates
- ◆ High tensile film strength
- ◆ Does not bleed or leach
- ◆ Low water vapour transmission



USE AREA

- ◆ Internal Wet Areas and Shower Recesses
- ◆ External Balconies and Decks (must be over coated)
- ◆ Tanking
- ◆ Water features



PACKAGING

- ◆ 15 Litre
- ◆ 4 Litre

TECHNICAL INFORMATION

Colour	Grey or Green
Weather Resistance	Must be over coated
Dry Time	2-4 hours @ 25°C
Recoat Time	4-6 hours @ 25°C
Coverage	Min 2 coats, each @ 1.0 litres/m ² [1.0m ² /litre]
Wet Film per coat	1.00mm thick
Dry Film Thickness	1.2mm total
Elongation @ break	300% @ 25°C
Moisture Vapour transfer	0.42g/m ² /24hour
Solids Content	58% by volume
Shelf Life	12 Months in unopened container @ 20°C

CLEAN UP

DURO MASTIC™ TOUGHSET may be cleaned from equipment with water when still wet.

SURFACE PREPARATION

Ensure linings are firmly fixed to manufacturer's directions. Surface must be free of dirt, dust, loose particles, oil, contaminants and curing compounds etc. Concrete must be a minimum strength of 20mpa and have cured a minimum of 28 days. Surface must be dry. Fill all screw holes, cracks and voids with neutral-cure silicone. Install leak control flanges to all pipe penetrations.

PRIMING

Prime fibre cement board, sound concrete and block work with Durotech ARW Primer internally. For external applications prime with Durotech AR Sealer applied at approx. 6m²/litre. Damp areas and areas subject to rising damp should be sealed with DUROMIX™ WBE. Allow primer to dry prior to membrane application. All PVC fittings to be etch primed.

DETAILING

Apply a 12mm fillet of neutral cure silicone between all horizontal and vertical junctions such as floor to wall, wall to wall, all hob junctions and any joints in the substrate. Apply neutral cure silicone around penetrations and outlets. Where angles are installed, such as across bathroom doorways or under shower screens (hobless showers), the angle must be firmly adhered. Joints, corners & other details shall be reinforced with polyester bandage or Duro Flashing Tape which must be fully wetted out with out wrinkles or bubbles.

APPLICATION

To the primed surfaces, apply DURO MASTIC™ TOUGHSET by brush or roller in at least two or more coats to achieve a minimum dry film thickness of 1.2mm. Do not apply in 1 coat. Turn membrane up to walls, penetrations and down into drainage outlets. When dry, check for pinholes and recoat if necessary. If membrane becomes dirty or damaged between coats, clean with water and recoat. All sheet flooring must be fixed to the manufacturers directions before membrane is applied. Do not apply above 30°C or below 10°C ambient.

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™ TOUGHSET 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.

STORAGE

Stored in unopened original containers @ 20°C, DURO MASTIC™ TOUGHSET has a shelf life of 12 months.

HEALTH & SAFETY

Refer Durotech MSDS prior to use.



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