

DUROMASTIC™ P15

MODIFIED URETHANE MEMBRANE FOR UNDER TILE WATERPROOFING

AS4858:2004 & AS3740:2010 compliant - CLASS III

Technical Data Sheet

Introduction

DURO MASTIC™ P15 is a modified urethane membrane. It has been formulated to create a tenacious bond to most surfaces. **DURO MASTIC™ P15** forms a tough, flexible waterproof membrane with a high film strength and exceptional elongation and elasticity, 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 optimised to ensure quick tack-free time, fast cure, high solids and excellent resistance to swelling. It fully complies with the test requirements of AS:4858-2004 and AS:3740:2010 "Waterproofing of Wet Areas within residential buildings"



PRINCIPAL CHARACTERISTICS

- Single Component
- Water Based
- Excellent water resistance
- High Solids
- Ease of application – brush / roller
- Tenacious bond
- Suitable for most substrates
- High tensile film strength & elongation
- Does not bleed or leach
- Extremely low VOC

USE AREAS

- Internal Wet Areas and Shower Recesses
- External Balconies and Decks
- Roofs – topcoat with Duromastic™ AC (UV coating) or AC Non slip or SR

TECHNICAL INFORMATION:

Colours	Grey or Green
Weather Resistance	Good
Dry Time	2-4 hours @ 25°C
Recoat Time	4-6 hours @ 25°C
Floor Coverage	Min. 2 coats, each @ 1.0 litre/m ² [0.5m ² /litre]
Wall Coverage	Min. 2 coats, each @ 0.5 litre/m ² [0.25m ² /litre]
Wet Film Thickness	1.0 mm per coat for floor
Dry Film Thickness	1.2 mm total (Class III)
Elongation	+800% @ 25°C
VOC	9 grams/litre
Solids Content	73%
Shelf Life	12 months in unopened containers @ 20°C

SURFACE PREPARATION:

Ensure wall and floor lining sheets are firmly fixed to manufacturer's directions. Surfaces 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. Surfaces must be dry. Fill all screw holes, cracks and voids with neutral-cure silicone sealant. Install leak control flanges to all pipe penetrations.

PRIMING:

Prime fibre cement board, sound concrete and block work with DUROTECH ARW internally. For external applications prime with Durotech AR Sealer applied at approx. 6m²/litre. For surfaces that are difficult to adhere to, damp or subject to rising damp, seal with DUROMIX™ Hibuild WBE. Allow primer to dry prior to membrane application. Apply a plumbing PVC primer to all PVC fittings.



DETAILING:

Apply a 12mm fillet of neutral cure silicone sealant 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 which must be fully wetted out without wrinkles or bubbles. Alternatively, Duro Flashing Tape may be used.

APPLICATION:

To the primed surfaces, apply DURO MASTIC P15 by brush or roller in at least two or more coats to achieve a minimum dry film thickness of 1.2 mm on floors and 0.6 mm for walls.

Turn membrane up to walls, penetrations and down into drainage outlets. When dry, check for pinholes and recoat if necessary. If the membrane becomes dirty or damaged between coats, clean with water and recoat. All sheet flooring must be fixed according to the manufacturer's directions before the membrane is applied. Do not apply above 30°C or below 10°C ambient. In high humidity & coolness, drying will be slowed, therefore increase air flow. Avoid applying coats too thickly in hot windy conditions.

FLOOD TEST & TILING:

A flood test may be carried out after 72 hours of drying at 25°C and 50% R.H. Apply water to a depth of 25mm for approximately 2 hours. DURO MASTIC™ P15 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.

CLEANING:

DURO MASTIC™ P15 may be washed from equipment with water when still wet.

PRECAUTIONS:

Refer Durotech MSDS prior to use.