

DUROMASTIC™ P15 UV

MODIFIED URETHANE MEMBRANE FOR UNDER TILE WATERPROOFING

AS4858:2004 & AS3740:2010 compliant - CLASS III

Technical Data Sheet

Introduction

DURO MASTIC™ P15 UV is a modified urethane membrane. It has been formulated to create a tenacious bond to most surfaces. **DURO MASTIC™ P15 UV** 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

Concrete roofs

Facades & parapet walls

Bitumen roof top coating

Foot trafficable roof deck membrane

Concrete or blockwork walls

Asbestos roof encapsulation

Car parks, Parking Bays and Garages

TECHNICAL INFORMATION:

Colour	Grey or White and colours to order, low sheen
Dry Time	Touch dry 1- 2 hours @ 25°C
Recoat	4 hours @ 25°C
Coverage	Membrane – min 2 coats each @ 1.0 Litre/m ² [1m ² /litre] Coating – min. 1 Coat @ 0.25 – 0.3 litre/m ² [3 – 4m ² /litre]
Dry Film Thickness	1.0mm – 1.2mm as a membrane, 0.13mm – 0.17mm as a coating
Elongation at Break	300% at 25°C
Moisture Vapour Transfer	0.45/h-m ²
Solids Content	60%
VOC	51 grams/litre, SCAQMD Method 304-91
Shelf Life	12 months, unopened and stored @ 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. It can be used over concrete, F/C sheet, plasterboard, timber and most building materials.

PRIMING:

Prime fibre cement board, sound concrete and block work with DURETECH 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 DUREMIX™ 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 UV 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 10o 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 UV 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 UV may be washed from equipment with water when still wet.

PRECAUTIONS:

Refer Durotech MSDS prior to use.

DISCLAIMER:

The above figures represent average values. Actual figures can vary. The selection and application of a tape is the responsibility of the buyer. Tape should be stored at room temperature and should not be exposed to sunlight. We serve the right to make changes without notice to our products and specifications.