



DURO MASTIC™ DUROPOND

DOUBLE CROSSLINKED COPOLYMER MEMBRANE FOR POND WATERPROOFING

AS4858:2004 compliant - CLASS III

DURO MASTIC™ DUROPOND is a liquid membrane product based on a unique double crosslinked copolymer system. The product is waterbased yet offers strong water resistance. The cured membrane has exceptional flex and elasticity for good crack-bridging properties while at the same time maintaining good tensile film strength. DUROPOND has excellent re-sistance to UV, colour fade and chalking. DUROPOND is easily maintained, recoated and re-paired. The water content is low which enables fast drying, and thick films to be built up quickly. The product is supplied as a thixotropic liquid, which is easily applied to both vertical and horizontal surfaces. It complies fully with the test requirements of AS:4858-2004 "Wet Area Membranes" and passes at Class III, the highest level in the Australian standard. DUROPOND is applied as part of a system with primer Duromix Hibuild WBE.



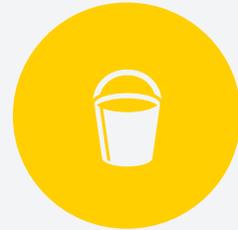
PRINCIPLE CHARACTERISTICS

- ◆ Single component, water-based
- ◆ Excellent water resistance
- ◆ UV resistant
- ◆ High Solids
- ◆ Ease of application – roller/brush
- ◆ Good adhesion
- ◆ High elongation
- ◆ Non-hazardous, low odour
- ◆ Does not bleed, non-staining
- ◆ Low VOC & Green Building Council compliant



USE AREA

- ◆ Water features
- ◆ Ponds
- ◆ Fountains & bird baths
- ◆ Tanking



PACKAGING

- ◆ 15 Litre

TECHNICAL INFORMATION

| | |
|--------------------|---|
| Colour | Black, (Blue and other colours on request) |
| Weather Resistance | Excellent, pass +1000 hrs QUV Weatherometer, 2000 hrs UVA |
| Dry Time | 2-4 hours @ 25°C, 50% R.H. |
| Recoat Time | 4-6 hours @ 25°C, 50% R.H. |
| Coverage | Total 2.0 litre/m ² min. Apply as 2 or more coats, each coat at 1.0 litre/m ² |
| Dry Film Thickness | 1.2 mm minimum |
| Elongation | + 600% @25°C |
| Tensile Strength | 1.4MPa @25°C |
| Solids Content | 60% by volume |
| Shelf Life | 8 months in unopened containers @ 20°C |
| VOC | 9.0 g/L Green Building Council Compliant |

CONDITIONS

Within ponds and tanks under construction, the air and surfaces tend to be colder and more damp than surroundings. This and the fact that the air is not moving much will slow drying and curing, especially in cooler or wetter months. It is essential to allow time for the primer and DUROPOND to dry thoroughly between coats. In winter & autumn, application in the warmest part of the day is recommended. Drying can be accelerated by fans or heaters. Do not apply Hibuild WBE primer or DUROPOND below 10°C ambient. Do not apply DUROPOND above 30°C. Do not apply during wet weather conditions, or if rain is likely.

SURFACE PREPARATION

Good surface preparation is essential for optimum performance. Ensure water features, ponds and tanks are structurally sound and free of cracks. In below grade locations with a high water table, it is recommended to waterproof the positive (earth) side of any blockwork construction) with Duroproof PU Black or Duro Mastic BLW. This will reduce seepage of water and salts to the inside surface where the primer will later be applied.

Blockwork construction must be prepared so that the cavities are completely filled, all mortar joints are filled and flush and the surface is as smooth as possible, i.e. free of sharp edges, pits, gaps, grit and mortar residues. Preferred is 20mm to 30mm of sand and cement render over the blockwork. Remove all dust, loose particles, contaminants and curing compounds. If necessary water-blast unsound or powdery concrete surfaces. Concrete must have a minimum strength of 20MPa and be cured a minimum of 28 days. It is best if the surfaces are dry as possible before priming. Slight dampness may be tolerated initially, provided the primer can thoroughly dry after application. Before applying Hibuild WBE primer and DUROPOND, any problems from rising damp, continual wetness or hydrostatic pressure must be remedied.

PRIMING & DETAILING

Prime the interior with 2 coats of Duromix Hibuild WBE as detailed in the product's technical data sheet. It is essential that the application of the primer is carried out correctly. For blockwork or porous surfaces dilute the mixed Hibuild WBE with water up to 10% and 'work' the product into the surface so that all pores and pinholes are filled and sealed. Apply a further one to two undiluted coats until no pinholes are visible and an even solid coat is formed. Allow the final coat of primer to dry thoroughly, i.e. at least 24 hours in summer and up to 72 hours in cool to cold conditions. Next, apply Durotech Fast Cure PU Sealant at all horizontal and vertical junctions such as floor to wall, and wall to wall.

Apply a neat smooth fillet about 12mm by 12mm. Remove all sealant residues and overhangs. The sealant can be coated after a good skin has formed (approx. 1 hour).

APPLICATION

Ensure that the primer is thoroughly dry and cured. Apply DUROPOND by brush or roller in at least two or more coats to achieve a total minimum dry film thickness of 1.2 mm. Do not apply in one thick coat. In cold conditions it may be best to apply as 3 thin coats or accelerate drying by fans or heaters. Allow to dry as long as possible between coats, then check for pinholes and thin areas, and recoat if necessary. If the membrane becomes dirty or damaged between coats, clean with water and recoat. Spills and tools should be cleaned with water before DUROPOND has dried.

MAINTENANCE

Coating maintenance is based on regular inspection and then timely repair of any damage and deterioration by thorough cleaning using a little sugar soap and water, followed by thorough rinsing. When dry, apply DUROPOND.

HEALTH & SAFETY Refer Durotech MSDS prior to



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