

# DUROMASTIC DURAROOF

DOUBLE CROSSLINKED WATER BASED POLYURETHANE COPOLYMER MEMBRANE WITH EXCELLENT CRACK-BRIDGING FOR ROOF WATERPROOFING



## DESCRIPTION

Duromastic Durarroof is a Water based polyurethane liquid crack-bridging membrane product based on a unique double crosslinked copolymer system. It does not contain plasticisers or oils that can leach, degrade or contribute to dirt-pickup.

Duromastic Durarroof is used as a fully exposed membrane or a crack-bridging basecoat, or beneath a tiled mortar bed. It can withstand occasional light foot traffic. The product is water-based yet offers strong resistance to water ponding.

The cured membrane combines exceptional flexibility and elasticity for good crack bridging properties with good tensile film strength. Duromastic Durarroof has excellent resistance to UV, colour fade and chalking.

Duromastic Durarroof membrane is easily maintained, re-coated and repaired 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 is Compliant with AS4858 and AS4654.1 for internal and external wet areas, and must be installed to AS3740 & AS4654.2.

## FEATURES

- Single component, water-based
- Exceptional elongation & crack bridging
- Excellent water resistance
- UV resistant
- High Solids
- Excellent adhesion to concrete, brick, FC sheeting
- Non-hazardous, low odour

## PACKAGING

- 15 Litre

## TYPICAL PHYSICAL PROPERTIES

<b>Colour</b>	Grey
<b>Weather Resistance</b>	Excellent, pass +1000 hrs QUV
<b>Dry Time</b>	2-4 hours @ 25°C, 50% R.H.
<b>Recoat time</b>	4-6 hours @ 25°C, 50% R.H.
<b>Coverage</b>	Total 2.0 litre/m min. Apply as 2 or more coats, each coat at 1.0 litre/m <sup>2</sup> As a basecoat, total 1.0 litre/m minimum as 1 to 2 coats.
<b>Dry Film Thickness</b>	1.2 mm minimum
<b>Elongation</b>	+ 550% @ 25°C
<b>Tensile Strength</b>	1.0 MPa @ 25°C
<b>Solids Content</b>	60% by volume
<b>Shelf Life</b>	9 months in unopened containers @ 20°C

## USE AREAS

- Exposed roofs
- Parapet walls
- Decks
- Podiums
- Window Reveals
- Internal & External Wet Areas (Under Tile)



## CONDITIONS

It is generally accepted as good practice for "flat roofs" to be designed to clear surface water as rapidly as possible. Ensure that the roof area has adequate drainage and fall with no ponding water. A brush or wood float finish to concrete surfaces is ideal for adhesion.

Do not apply Duromix Hibuild WBE primer or Duromastic Durarroof below 10°C ambient. Do not apply Duromastic Durarroof above 30°C or in hot windy conditions.

Excessively thick application in hot windy conditions is not advised. Do not apply during wet weather conditions, or if impending rain is likely.

## SURFACE PREPARATION

Good surface preparation is essential for optimum performance. Concrete that has been trowel finished to a smooth surface must have all laitance removed. Remove all dust, loose particles, contaminants and curing compounds. Use sugar soap detergent and water followed by thorough rinsing to clean old concrete and other surfaces. If necessary, water blast unsound or powdery concrete surfaces. Fill and treat all voids, dents and non-moving cracks. Consult Durotech for technical advice regarding moving joints and cracks. Concrete must have a minimum strength of 20 MPa and be cured a minimum of 28 days. Ensure surfaces after preparation are as dry as possible before priming.

## PRIMING & DETAILING

Prime with either Duromastic ARW or Duromix Hibuild WBE epoxy primer, following the product's technical data sheet. It is essential that the application of the primer is carried out correctly. Allow the final coat of primer to dry. Next, apply Durotech Hybrid Sealant at all horizontal and vertical junctions such as floor to wall, and wall to wall. Apply a neat smooth fillet about 15mm x 15mm. Remove all sealant residues and overhangs. The sealant can be coated after a good skin has formed.

## PRIMER OPTIONS

- For porous substrates use Duromastic ARW
- For non-porous substrates use Duroprime SSP
- For high moisture applications use Duroprime DSP
- For applications such as damp substrates, green screeds, moisture barrier, Negative pressure coating use Duromix WBE Hibuild epoxy primer

For negative pressure application 2 or more coats are required seek technical help from Durotech before application \*

## APPLICATION

Ensure that the primer is thoroughly dry and cured. Apply Duromastic Durarroof by brush/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. Allow to dry as long as possible between coats. When dry check for pinholes and thin areas, and re-coat if necessary. If membrane becomes dirty or damaged between coats, clean with water and re-coat. Spills and tools should be cleaned with water before Duromastic Durarroof has dried.

## MAINTENANCE

Timely repair of any damage and deterioration by thorough cleaning using a little sugar soap and water, followed by thorough rinsing. When dry, apply Duromastic Durarroof.

HEALTH & SAFETY Refer Durotech MSDS prior to use.

## CLEANING

Clean tools, equipment and surfaces with water immediately after use, before the product has had a chance to dry. Once dried, removal will require physical scraping and/or prolonged soaking in a detergent and water solution. Fully cured material can only be removed by mechanical means. Always observe relevant OH&S requirements and refer to the Safety Data Sheet for safe handling and use of any solvents.

## LIMITATIONS

- Do not apply during rain or where wet weather is imminent.
- Do not apply to damp, contaminated or unprepared surfaces.
- Do not apply directly over protective or sacrificial coatings.

### VICTORIA

34 Indian Drive Keysborough  
Victoria 3173  
Tel: 1300 434 272  
sales@durotechindustries.com.au  
www.durotechindustries.com.au

### NEW SOUTH WALES

14 Essex st, Minto, Sydney  
NSW 2566  
Tel: 1300 434 272  
sales@durotechindustries.com.au  
www.durotechindustries.com.au

### QUEENSLAND

1/16 Export Drive, MOLENDINAR  
QLD 4214  
Tel: 1300 434 272  
sales@durotechindustries.com.au  
www.durotechindustries.com.au

### SOUTH AUSTRALIA

30C Richard Street  
Hindmarsh, SA, 5007  
Tel: 1300 434 272  
sales@durotechindustries.com.au  
www.durotechindustries.com.au

