



# DUROTECH



## DUROMASTIC™ BLW-AR (Anti-Root)

### ANTI-ROOT LIQUID APPLIED BITUMEN MEMBRANE

#### Technical Data Sheet

#### Introduction

Duromastic BLW-AR is an elastomer in the form of a high grade, modified latex bitumen emulsion. When fully cured it forms a tough and flexible waterproofing lining for concrete, mineral surfaces and cement render. This product has been formulated to impart a level of root resistance to the applied surface, but it is not recommended as the sole prevention method. The effectiveness is enhanced when the whole specification for this application is applied. Where root penetration is a major concern it is always recommended that plants with non-invasive root systems be picked as a priority in planter boxes and general landscaping projects.

#### Features

- Single component
- Easily applied
- Excellent recovery in terms of flexibility
- Non Toxic - Water based product
- Fast curing
- Root Resistant
- Low VOC - Environmentally friendly



#### USE AREAS

- Retaining Walls
- Planter Boxes



## TECHNICAL INFORMATION:

Property	Liquid
Appearance	Brown to black viscous liquid
Specific gravity g/cm3	0.96 – 1.06
Solids content	58% (by Volume)
Viscosity @ 25°C (cps)	16,000 – 26,000
Shelf life	12 months in original container unopened

## MIXING AND CURING CONDITIONS:

Property	
Weather Resistance	Should be protected from sunlight
Touch Dry	1 – 3 hours @ 25°C
Recoat Time	2 – 5 hours @ 25°C
Coverage	1.8-2.0L/ m <sup>2</sup> or 2 coats @ 1.0L/m <sup>2</sup> each
Wet film thickness per coat	1.0 mm thick per coat
Dry Film thickness	1.2 mm minimum (2 coats)
Elongation at break	>400% at 25°C

## SUBSTRATE PREPARATION PRIMING

Concrete must be cured for a minimum of 28 days and render 7 days. Remove dirt, dust, loose particles, oil and unsound concrete etc. Water blast if necessary. Surface must be dry. Fill holes and open joints in block work or concrete prior to application of membrane.

## PRIMING

DURO MASTIC™ BLW AR is self priming when used on most surfaces e.g. Sound concrete, block work. Surfaces may be primed with DURO MASTIC™ BLW AR thinned with 50% water. Areas subject to rising damp should be first sealed with an epoxy coating, such as DUROMIX™ WBE.

## BOND BREAKERS REINFORCEMENT

Apply a bead of Durotech Neutral-cure silicone to the following areas:-Wall / footing junction where movement is expected and expansion joints, generally to all areas where movement is likely to occur.

## **REINFORCEMENT**

A reinforcing fabric such as 140-200mm wide polyester bandage should be used over the following areas:- expansion joints, cracks, footing / floor to wall junctions, around floor/wall penetrations, and any other area movement will occur. Reinforcement is also required over construction joints in walls.

## **APPLICATION**

Hand mix before use.

Reinforced: To the prepared surface apply a heavy coat of DURO MASTIC™ BLW AR by brush or roller at approximately 1m<sup>2</sup>/litre. Immediately lay the reinforcing fabric into the wet surface, then apply another coat and work in carefully by brush or roller to saturate the fabric. When dry apply one or more coats to give a fully waterproof lining. Ensure a minimum total coverage of 2.0 litres/m<sup>2</sup> (after 2 coats). When dry, check for pinholes or misses and recoat if necessary.

Un-Reinforced: To areas where a reinforcing fabric is not utilised apply 3 coats of DURO MASTIC™ BLW AR at a total rate of 1.0 litres/m ensuring full coverage, by brush, roller or spray (use 21 thou Min tip size + airless spray).

Porous Surfaces (Masonry): May require 3 coats to obtain a satisfactory dry film thickness.

## **PRECAUTIONS**

Do not apply above 30°C or below 10°C ambient temperature. Be sure coating will cure before contact with water. Wash equipment with water before dry. Protect DURO MASTIC™ BLW AR from extended sunlight exposure. Planter box membrane must be fully cured before being subject to moisture or soil. Protect membrane against damage before and during backfilling or covering. Durotech protection board may be used where suitable. Use an approved drainage system and protection board in planter boxes and retaining walls before filling to protect membrane from any damage. Do not expose to solvents.

## **PACKAGING**

15 litre Pail.

## **CLEANING**

Clean the tools and equipment with rags, then wipe off the excess before curing. Wash the paddle stirrer and tools in water.



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## **HEALTH and SAFETY**

Please observe the precautionary notices displayed on container. Avoid skin contact and eye contact. Spillage on the skin should be removed immediately with suitable cleanser, soap and water. Eyes should be well flushed with water and seek medical attention immediately.

For the full health and safety hazard information and how to safely handle and use the product, please make sure you refer to relevant MSDS.



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The information provided in this data sheet is correct at the time of printing (albeit is subject to change at any time) and is intended to give a simple description of the product and its capabilities. In practice, the substrate, intended surface to be treated and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and to ensure that the product is not used beyond its physical limitations. If in doubt contact the manufacturer. The product will perform as described herein provided it is applied in accordance with the manufacturer's instructions as stated in this data sheet and provided that the building and installation is structurally sound and the application is carried out competently. Durotech terms and conditions of sale apply.