

# DURO MASTIC™ AC

FOR ROOFS, WALLS, FASCIAS & BALCONIES



## DESCRIPTION

**DURO MASTIC™ AC** is a waterproof and UV resistant liquid membrane used either for long-term waterproofing or as a decorative coating. It cures to form a flexible waterproof membrane or coating by varying the thickness and number of coats. It is resistant to weathering, fungi and algae. Although the membrane is waterproof it allows the substrate to breathe, reducing the risk of blistering.

**DURO MASTIC™ AC** has been used for over 20 years as a roof membrane and protective coating.

## FEATURES

- UV stable, weather resistant
- Water-based
- Low VOC
- Single component
- Environmentally friendly
- Low odour
- Permanently flexible
- Seamless
- Fungi and algae resistant
- Easily maintained and repaired
- Non hazardous

## USE AREA

- Concrete roofs
- Facades & parapet walls
- Bitumen roof top coating
- Foot trafficable roof deck membrane
- Concrete or blockwork walls
- Asbestos roof encapsulation

## TECHNICAL INFORMATION

<b>Colour</b>	Grey or Green
<b>Dry Time</b>	Good
<b>Recoat Time</b>	4-6 hours @ 25°C
<b>Top Coating</b>	May be top coated with DURO MASTIC™ SR or DURO MASTIC™ Non Slip for greater serviceability.
<b>Coverage</b>	Membrane – min. 2 coats each @ 1.0 litre/m <sup>2</sup> [1m <sup>2</sup> /litre] Coating – min. 1 Coat @ 0.25-0.3 litre/m <sup>2</sup> [3-4m <sup>2</sup> /litre]
<b>Dry Film Thickness</b>	1.0 mm - 1.2 mm as a membrane, 0.13mm -0.17mm as a coating
<b>Elongation @ break</b>	200-300% at 25°C
<b>Moisture Vapour Transfer</b>	0.45g/h-m <sup>2</sup>
<b>Solids Content</b>	50% by volume
<b>VOC</b>	51 grams/litre, SCAQMD Method 304-91
<b>Shelf Life</b>	12 months in unopened containers @ 20°C





## PREPARATION

All surfaces shall be sound, clean, dry and free of release curing agents and other contaminants. Check adhesion by applying to a test area. Concrete is to be at least 28 days old, dry and free of voids and other surface defects. Make sure painted surfaces are sound and remove any chalking by pressure spray or light detergent wash. Roof decks must be properly drained for long-term serviceability of DURO MASTIC™ AC. A 12mm fillet of neutral cure silicone sealant is to be applied at all surface junctions.

Concrete: Remove laitance or unsound concrete by water blast or mechanical means. Fill all porous or honeycombed concrete with appropriate and approved material.

Compressed fibre cement sheets must be installed as per manufacturers specification and all joints must be sealed. Movement cracks and cold joints to be cut out and filled with neutral cure silicone sealant, then overlaid with DURO MASTIC™ AC reinforced with 140mm minimum wide bandage.

Note: All sheet joints to have an expansion gap. Seal all surface joints and screw holes with neutral cure silicone sealant, and further seal joints and spread across a min. 20mm of the surface and overlay with tape and DURO MASTIC™ AC reinforced with 140mm (min.) wide bandage.

## PRIMING

Prime surfaces with one or more coats of Duromix™ WBE or Hibuild WBE at a rate of 4-6 m<sup>2</sup>/litre.

Use Metal primer for non - porous Substrates.

## MEMBRANE APPLICATION

Reinforced: To the prepared surface, apply a first coat of DURO MASTIC™ AC by brush or roller at approximate rate of 1 litre/m<sup>2</sup> . 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. Check when dry and apply a further coat if necessary to give a fully waterproof lining DFT of 1.0 mm -1.2 mm. Ensure a minimum coverage of 1 litre/m<sup>2</sup>.

Unreinforced: Where reinforcing fabric is not utilized, apply 3 or more coats of DURO MASTIC™ AC for a total usage rate of 1 litre/m<sup>2</sup>, ensuring even coverage by brush or roller.

Decorative over membrane apply 1 coat at 3-4m<sup>2</sup>/Litre

## PRECAUTIONS

Do not apply above 30°C or below 10°C ambient temperature. Be sure coating is cured before contact with water. Wash equipment with water before dry. This is particularly important with FC sheet flooring. Do not expose to solvents. Clean periodically to maintain surface and re-coat when necessary.

CLEANUP Use fresh water before material has set. Remove cured material with mineral turps.

## Durotech Industries Pty Ltd

**Address** 14 Essex Street, P.O. Box 5092, Minto, NSW 2566

**Phone** +61 2 9603 1177

**Fax** +61 2 9475 5059

**Email** sales@durotechindustries.com.au

**Web** www.durotechindustries.com.au



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