

DURO MASTIC™ AC

CETEC Test Certification
For roofs, walls, fascias & balconies

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) that 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.

PRINCIPLE CHARACTERISTICS

- CETEC Certified Rating
- VOC-51 gms/ltr (SCAQMD Method 304-91)
- Single component
- Environmentally friendly
- Low odour
- Permanently flexible
- Seamless
- UV stable, weather resistant
- Fungal and algae resistant
- Easily maintained
- Non toxic



USE AREAS

- Concrete roofs
- Facades
- Foot trafficable roof deck membrane
- Concrete or blockwork walls
- Asbestos roof encapsulation
- Parapet Walls



PACKAGING

- 15 Litre

GENERAL

Colour	Grey or White and colours to order, low sheen
Dry Time	Touch dry 1-2 hours @ 25°C
Recoat	4-6 hours @ 25°C
Top Coating	May be top coated with DURO MASTIC™ SR or DURO MASTIC™ Non Slip for greater serviceability.
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]
Wet Film Thickness	1mm thick as a membrane, 0.25mm thick as a coating
Dry Film Thickness	1.0mm - 1.2mm as a membrane, 0.13mm - 0.17mm as a coating
Elongation at Break	200-300% at 25 °C
Moisture Vapour Transfer	0.45g/h-m ²
Solids Content	52% by volume
Shelf Life	12 months in unopened containers stored @ 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 should 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 min. 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** at a rate of 4-6 m²/ litre.

MEMBRANE APPLICATION

Reinforced: To the prepared surface, apply a first coat of **DURO MASTIC™ AC** by brush or roller at approximate rate of 1litre/m². 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 1.00mm-1.2mm. Ensure a minimum coverage of 1.5 litres/m².

Unreinforced: Where reinforcing fabric is not utilized, apply 3 or more coats of **DURO MASTIC™ AC** for a total usage rate of 1.5 litres/m², ensuring even coverage by brush or roller.

COATING APPLICATION

Decorative over membrane apply 1 coat at 3-4m²/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. Do not fix tiles until fully cured, normally 3 - 4 days. Provide sufficient expansion and contraction control joints in overlaying tiling and topping. 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. Cured **DURO MASTIC™ AC** may be tiled over using approved **Durohesive™** range of tile adhesives to comply with AS 3958.1.

NOTE: **DURO MASTIC™ AC** used to be called **Durocoat AC**

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The information provided in this technical bulletin is as correct in detail as possible and is intended to give a fair description of the product and its capabilities. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and that the product is not used beyond its physical limitations. The product is guaranteed providing that it is applied in accordance with the manufacturer's instructions as stated in this data sheet and any relevant Standard or Code and provided that the building and installation is structurally sound. Durotech terms and conditions of sale apply.