

# Duromastic AC

## Flexible Acrylic Waterproofing Membrane

### DESCRIPTION

**Duromastic AC** is a superior proven, weather resistant, liquid applied waterproofing membrane coating. **Duromastic AC** is suitable for use on concrete structures and roofing and cures to form a seamless and lap-free membrane over the substrate.

### PRODUCT FEATURES

- Waterbased and non-toxic
- Single pack, simple to apply by brush or roller
- Withstands constant water immersion
- Fast drying
- Retains flexibility
- Compatible with most common tile adhesives

### USE AREAS

- Concrete blocks
- Concrete roofs
- Grain silo bases
- Truck/caravan roofs
- General waterproofing

### SPECIFICATION

**Duromastic AC** is a liquid applied membrane which when reinforced and fully cured forms a flexible waterproofing lining as described in NZ Standard E3 AS/1. **Duromastic AC** can be reinforced with Chopped strand fibreglass matting ensuring maximum film build, film strength and water resistance is established.

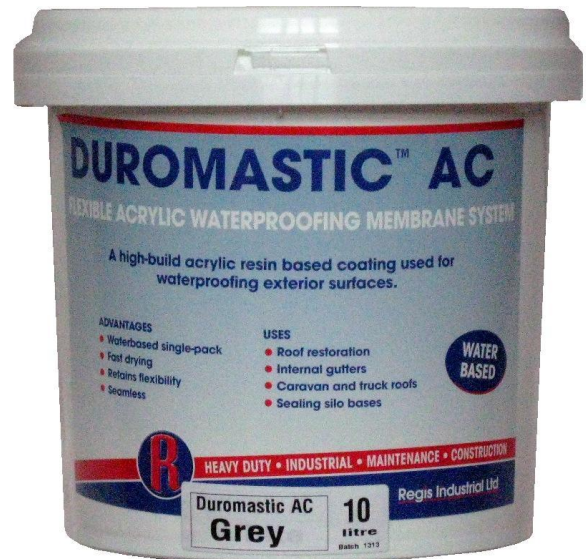
### APPLICATION

**Duromastic AC** forms a waterproofing lining to most materials approved for use in construction including concrete, cement render, water resistant plasterboard and fibre reinforced cement sheets. The materials must be fixed to manufacturers directions, free of protrusions, dust and oils. All sheet product must be screw fixed, not nailed.

### COVERAGE

**Reinforced membrane:** 1.5 litres per sq metre to allow for base-coat, fibreglass saturation and heavy top-coats.

**Single coats** should be applied at 3-5 sq.m per litre.



### PRIMING

**Duromastic AR** or **Duromastic EP Hibuild** Epoxy sealer is first applied as a priming coat to bind and seal most masonry and composite building materials. **Duromastic AR** is a single pack, clear solvent acrylic solution. **Duromastic EP Hibuild** is a waterbased epoxy (two part) coating and can be applied to a damp surface or areas of rising damp. **Duromastic EP Hibuild** is solvent free, low odour and low toxicity.

### REINFORCEMENT

**Fibreglass CSM** mat is used to reinforce the membrane and provide extra durability in areas subject to, or at risk of movement.

### PACKAGING

Duromastic AC	4 and 10 litre pails
Duromastic EP Hibuild	1, 8 and 20 litre packs
Duromastic AR	4 and 20 litre pails
Fibreglass CSM	1m x required length

### STORAGE

Shelf life is 12-24 months in original sealed containers stored under cover at temperatures between 5°C and 40°C.

## APPLICATION GUIDE-Concrete Roofs

**Read thoroughly prior to application.**  
**Ensure data sheet is current.**

### STEP 1

Ensure concrete is in good condition and materials are fixed to manufacturers specification.

### STEP 2

It is recommended to diamond grind or Acid etch and waterblast concrete surfaces. Ensure area is dust free, clean and free of contaminants. Apply the **Duromastic AR** solvent primer, or in areas of rising damp or where solvent vapour is an issue, apply **Duromastic EP Hibuild** waterbased epoxy primer at approximately 5 m<sup>2</sup>/litre by brush or roller. See your local council requirements for returns and cover under wall claddings etc.

### STEP 3

Once the primer is tack free, apply one base-coat of **Duromastic AC** at approx. 5m<sup>2</sup>/litre by brush or roller to entire area and allow to dry.

### STEP 4

When **Duromastic AC** is dry, form coves with a bead of paintable flexible sealant to substrate junctions. This bond break must be carried out on all floor/wall junctions, substrate joints. Concrete cracks must be chased out with a diamond grinder and filled with an approved flexible sealant.

### STEP 5

**Fibreglass CSM** reinforcement must be imbedded in **Duromastic AC** on all substrate joints, cracks and cover 75mm either side. Once dry apply **Duromastic AC** to area, imbed fibreglass CSM into wet coating and immediately apply further Duromastic AC to fully saturate the cloth. Nb: Insufficient saturation may lead to blistering.

### STEP 6

When the reinforced membrane has cured, usually 24-36 hours, apply two further coats of **Duromastic AC** to entire area. Ensure there are no pinholes at junction points, and apply extra top-coat to this area if required. Total membrane build should be 1-1.5mm.

Areas exposed to UV should have two coats of **Duromastic ACSR** White applied. This is a solar reflective top coat to reduce heat build up.

**Dated: January 2012**

## PRECAUTIONS

**Duromastic AC:** Do not apply above 25°C or below 8°C. Use air fans to assist drying if necessary. Ensure there are no pin holes particularly in corner junctions and apply extra top-coats to these areas if necessary.

Check membrane is fully sealed around roof wastes and drains.

**Note: For waterproofing under tiles in showers and balconies Duromastic ACS must be used. Refer Duromastic ACS to data sheet.**

## CLEANING OF TOOLS

Clean immediately after use with water. Use mineral turps if the material has dried. During work, place tools in water when not in use.

## HEALTH AND SAFETY

**Flammability:** Non-flammable.

**Skin Contact:** Occasional contact is unlikely to have any adverse effect except on particularly sensitive skin. As a general precaution, avoid repeated or prolonged contact. Remove skin contamination when wet with water. Use a proprietary hand cleaner if the product has dried.

**Eye Contact:** Unlikely to cause damage, no special precautions are necessary. However, as eyes are a sensitive area, contact should be avoided. In the event of accidental contact, irrigate immediately with plenty of clean water.

The information contained in this data sheet is based on tests and experience believed to be reliable and should be taken as a general guide only. The users must satisfy themselves as to the suitability for a particular application. Since the use of this product is beyond the control of the manufacturer, no warranty is expressed or implied.

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