

DUROMASTIC DUROARMOR

TINTABLE EXTERIOR MEMBRANE COATING
FOR FACADES, WALLS, FASCIAS & BALCONIES



DESCRIPTION

DUROARMOR is a high build siloxane modified acrylic waterproof and UV resistant liquid membrane. The acrylic system is based on materials with years of proven use. The product is used either for long-term facade waterproofing or as an architectural decorative coating. It can also be used as a protective coating over mineral chip bitumen membranes. It is highly resistant to weathering, fungi and algae. Although the membrane is waterproof it allows the substrate to breathe, reducing the risk of blistering. It protects against damage from weather, UV, and sea salts, and is an anti-carbonation coating.

FEATURES

- UV stable, weather resistant
- Water-based, non hazardous
- Protects against damage by UV, CO2 carbonation, water and salt chlorides
- Tintable to 100's of colours in flat & low sheen
- Permanently flexible, with low dirt pickup
- Application by brush, roller and airless spray
- Good crack bridging capability
- Tropical level of Mould, fungi, bacteria and algae resistant
- Environmentally friendly, low odour and VOC compliant.
- Easily maintained and repaired
- Excellent adhesion to concrete, fibrous cement, timber, water based paints, aged gal. PVC, timber, colorbond, aged alkyd, bitumen

USE AREAS

- Concrete, brick, blockwork and render walls, parapets, balconies and facades
- Bitumen roof top coating
- As a colour topcoat for DurorooF, Duromastic AC & P15.

TECHNICAL INFORMATION

Colour	Can be easily tinted to 100's of colours in low sheen & flat finishes. Consult Durotech if dark colours are specified on a membrane project.
Dry Time:	Touch dry 1-2 hours @ 25°C
Recoat:	4-6 hours @ 25°C
Coverage:	Facade membrane – min. 2 coats, total 1.0 sq. m./ litre at 0.5mm DFT Coating – 1- 2 coats, total 2 - 4 sq. m. / litre at 0.13 - 0.25 mm DFT.
Elongation at Break:	>300% at 25°C
Tensile Strength:	> 1.7MPa, white
Solids Content:	58-61%, white
Water vapour permeability, SD	Class II (medium 0.14-1.4 m), ISO 7783-2
Water absorption, W24	<0.1 kg/m h Class III (low), ISO 1062-3
VOC:	40 grams/litre, SCAQMD Method 304-91
Shelf Life:	min. 12 months, unopened and stored @ 20°C

PACKAGING

- 15 Litre
- 4 Litre



PREPARATION

Waterproof Coatings Revision Date: Oct 2013
Waterproof PRECAUTIONS Coatings All surfaces shall be sound, clean, dry and free of release and curing agents, laitance, efflorescence, oils, bird droppings, mould, algae and other contaminants. Check adhesion by applying to a test area. Concrete, blockwork and cement render should 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 and/or a 'sugar soap' detergent wash. For mould, fungi and algae affected areas pressure spray and then treat with Duroprep Antifungal Concentrate to destroy fungal spores and algae remains.

PRIMING

Prime absorbent surfaces with Durotech ARW. For weakly bound chalky surfaces that require strengthening, prime with Durotech AR. Treat rusted metal with Durotech ZR (refer to TDS) . Treat the top of cement rendered parapet and balcony walls with Durotech AR or Duromix™ Hibuild WBE.

For surfaces that are extensively cracked but still adhering well, DurorooF may be applied as a basecoat. Alternatively, incorporate Durotech polyester reinforcing fabric. For substrates suspected of damp, apply Duromix™ Hibuild WBE, but seek technical advice first.

APPLICATION

Do not dilute with water. For spray application the recommended system is an airless spray system using a piston pump. The recommended spray tip is a 19 to 21 thou (thousands of an inch) fan type. The pump can be electric or driven by compressed air, and needs to produce a pressure of about 3000 psi.

For joints subject to movement, seal with Durotech PU sealant. Contact Durotech beforehand for technical details. To reinforce joints, apply a first coat of DUROARMOR by brush or roller to about a metre length of the prepared and sealed joint. Immediately lay 150mm to 200mm wide reinforcing fabric into the wet surface. Then apply another coat and work in carefully in one direction by brush or roller to saturate the fabric, before moving onto the next section of the joint.

To apply as a decorative colour coat over waterproofing roof membranes such as DurorooF, apply 1 coat at 3-4m²/litre. To seal and protect slate chip bitumen roof membranes, apply at 2m²/litre.

PRECAUTIONS

Do not apply water-based primers or DUROARMOR below 10°C ambient. Do not apply DUROARMOR above 30°C or in hot windy conditions, or if rain is likely within 6 hours. In summer apply in the cooler part of the day. Be sure coating is cured before contact with water. Wash equipment with water before dry. Do not expose to solvents. Clean periodically to maintain surface and re-coat when necessary.

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

SAFETY Avoid breathing vapours and contact with skin and eyes. **FIRST AID:** In case of contact rinse immediately with plenty of water. **SPILLS:** Contain spill and prevent entry into to waterways. Refer to Durotech Safety Datasheet before use.

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