PRODUCT DATA SHEET

DUROMASTIC DURAROOF™

DOUBLE CROSSLINKED WATER-BASED POLYURETHANE COPOLYMER MEMBRANE WITH EXCELLENT CRACK-BRIDGING FOR ROOF WATERPROOFING

DUROTECH
Commercial Waterproofing & Sealants

DESCRIPTION

DUROMASTIC DURAROOF™ is a liquid crack-bridging membrane product based on a unique double crosslinked copolymer system. It does not contain plasticisers or oils that can leach, degrade or contribute to dirt-pickup. DUROMASTIC DURAROOF™ is used as a fully exposed membrane or a crack-bridging basecoat, or beneath a tiled mortar bed . DUROMASTIC DURAROOF™ can withstand occasional light foot traffic. DUROMASTIC DURAROOF™ is water-based yet offers strong resistance to waterponding. The cured membrane combines exceptional flex and elasticity for good crackbridging properties with good tensile film strength. DUROMASTIC DURAROOF™ has excellent resistance to UV, colour fade and chalking. DUROMASTIC DURAROOF™ membrane is easily maintained, recoated and repaired .The water content is low which enables fast drying, and thick films to be built up quickly. DUROMASTIC DURAROOF™ is supplied as a thixotropic liquid, which is easily applied to both vertical and horizontal surfaces and complies fully with the test requirements of AS:4858-2004 “Wet Area Membranes” and passes at Class III, the highest level of Australian standard.

FEATURES

- Single component, water-based
- Exceptional elongation & crack bridging
- Excellent water resistance
- UV resistant
- High Solids
- Excellent adhesion to concrete, brick, FC sheeting
- Non-hazardous, low odour

USE AREAS

- Exposed roofs
- Parapet walls
- Decks
- Podiums
- Window Reveals
- Internal & External Wet Areas (under-tile)

TECHNICAL INFORMATION

Colour	Grey
Weather Resistance	Excellent, pass +1000 hrs QUV
Dry Time	2-4 hours @ 25°C, 50% R.H
Recoat Time	4-6 hours @ 25°C, 50% R.H
Coverage	Total 2.0 litre/m min. Apply as 2 or more coats, each coat at 1.0 litre/m As a basecoat, total 1.0 litre/m minimum as 1 to 2 coats
Dry Film Thickness	1.2mm minimum
Elongation	+550% @ 25°C
Tensile Strength	1.0 MPa @ 25°C
Solids Content	60% by volume
Shelf Life	9 months in unopened containers @ 20°C

PACKAGING

Available in a 15L pail.

AUSTRALIAN MADE

SINCE 1977

CONDITIONS

It is generally accepted as good practice for "flat roofs" to be designed to clear surface water as rapidly as possible. Ensure that the roof area has adequate drainage and fall with no ponding water. A brush or wood float finish to concrete surfaces is ideal for adhesion.

Do not apply DUROMASTIC DURAROOF™ or primer DUROMIX™ HIBUILD WBE below 10°C ambient. Do not apply DUROMASTIC DURAROOF™ above 30°C or in hot windy conditions. Excessively thick applications in hot windy conditions is not advised. Do not apply during wet weather conditions, or if impending rain is likely.

SURFACE PREPARATION

- Surfaces must be clean, dry and free from voids, laitance, grease, oil, wax, curing compounds, coatings, adhesive residues or any loose contaminating material.

- New Concrete substrates and render must have a wood float finish and be allowed to cure for a minimum of 28 days. Signs of laitance and efflorescence must be removed. Concrete substrates must not contain moisture greater than 4.5%. Use Tramex CME 4 Moisture Meter. Additional concrete testing maybe be required depending on concrete construction and jobsite location. 2 coats of DUROMIX™ HIBUILD WBE must be used to seal concrete slabs and walls subject to a hydrostatic head of pressure from the negative side. DUROMIX™ HIBUILD WBE must be clean, dry and smooth immediately prior to DUROMASTIC DURAROOF™ application.

PRIMERS

- For porous substrates use DUROMASTIC™ ARW
- For non-porous substrates us DUROPRIME™ SSP PRO
- For high moisture applications use DUROPRIME™ DSP
- For applications such as damp substrates, green screeds, moisture barrier, negative apply 2 coats of DUROMIX™ HIBUILD WBE. Refer to DUROMIX™ HIBUILD WBE technical data sheet for detailed information

PRIMING & DETAILING

Prime with either DUROMASTIC™ ARW or DUROMIX™ HIBUILD WBE, following the product's technical data sheet. It is essential that the application of the primer is carried out correctly. Allow the final coat of primer to dry. Next, apply DUROTECH™ Hybrid Sealant to all horizontal and vertical junctions such as floor to wall, and wall to wall. Apply a neat smooth fillet at 15mm x 15mm fillet Remove all sealant residues and overhangs. The sealant can be coated immediately after application with DUROMASTIC DURAROOF™.

APPLICATION

Ensure that the primer is thoroughly dry and cured. Apply DUROMASTIC DURAROOF™ by brush/ roller in at least two or more coats to achieve a total minimum dry film thickness of 1.2 mm. Do not apply in one thick coat. Allow to dry as long as possible between coats. When dry check for pinholes and thin areas, and re-coat if necessary. If membrane becomes dirty or damaged between coats, clean with water and re-coat. Spills and tools should be cleaned with water before DUROMASTIC DURAROOF™ has dried.

MAINTENANCE

Timely repair of any damage and deterioration by thorough cleaning using a little sugar soap and water, followed by thorough rinsing. When dry, apply DUROMASTIC DURAROOF™.

CLEANING

Clean tools, equipment and surfaces with water immediately after use, before the product has had a chance to dry. Once dried, removal will require physical scraping and/or prolonged soaking in a detergent and water solution. Fully cured material can only be removed by mechanical means. Always observe relevant OH&S requirements and refer to the Material Safety Data Sheet (MSDS) for safe handling and use.

LIMITATIONS

- Do not apply during rain or where wet weather is imminent
- Do not apply to damp, contaminated or unprepared surfaces
- Do not apply directly over protective or sacrificial coatings

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