

PRODUCT DATA SHEET

DUROMASTIC™ P15 DIAMOND

CERTIFIED CLASS III MEMBRANE IN
ACCORDANCE WITH AS 4858 AND AS 4654.1



DESCRIPTION

DUROMASTIC™ P15 DIAMOND is a high solids water based polyurethane modified copolymer waterproofing membrane specifically formulated for non-exposed areas such as bathrooms, laundries, balconies, terraces and other wet areas. It provides excellent flexibility and crack bridging capability. DUROMASTIC™ P15 DIAMOND is a 2-coat system, to be applied over primed “porous and non-porous” substrates using the DUROTECH™ range of primers for internal and external under-tile applications.

FEATURES

- Class III, high elasticity as per AS/NZS 4858 Wet Area Membranes
- Water-based, pre-mixed ready and easy to use and easy clean up
- Environmentally friendly & LOW VOC and free of respirable silica
- Fast curing polymer system with excellent anti-sag properties

USE AREA

- As a waterproofing membrane under tile to internal wet area shower, bathroom, kitchen, laundry and toilet areas when installed according to AS/NZ 3740. DUROMASTIC™ P15 DIAMOND is also suitable for confined areas as it is water based and solvent free
- For non-exposed and under tile exterior applications such as terraces, balconies, roofs and walkways (prior to tiling, it is recommended to use a DUROTILE™ TILE polymer modified cement-based tile adhesive)
- Suitable for concrete; cement rendered masonry; fibre cement (FC) sheeting; water resistant plasterboard; and structural plywood (Type A Stamped “PAA JAS-ANZ” to AS/NZS 2269- 2004) substrates

TECHNICAL INFORMATION

Appearance	High viscous liquid membrane
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Odour	Low
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Solid Content (Weight)	68%
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Density	1.33 kg/li
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Dry to Handle perCoat (@22°C / 50% RH)	1-2 hours
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Recoat Time per Coat (@22°C / 50% RH)	2 -3 hours
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VOC (Calculated)	4.228 g/l
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Shore “A” Hardness	Approx. 60
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Elongation	491%
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Tensile Strength	1.92 Mpa
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WVTR (ASTM E 96 Desiccant Method)	1.99 g/m /24hours
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%H₂O absorbed after 24 hrs	3.766%
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Membrane Rating	Class 3
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Flammability	Non-flammable
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PACKAGING

Available in a 15L pail.



SURFACE

- Not to be used directly onto impervious or non-porous substrates. Primer surface first with either DUROMIX™ HIBUILD WBE or DUOPRIME™ SSP PRO
- Not suitable for permanent immersed conditions such as pools, spas, and ponds
- Cannot be used as an exposed trafficable exterior membrane
- Cannot be applied over damp or wet substrates without using DUROMIX™ HIBUILD WBE
- Not suitable for negative head of water pressure without using DUROMIX™ HIBUILD WBE
- Not designed to be left exposed and must be covered by a tile, pavers or stone using DUROTILE™ PRO.

COVERAGE RATE

TYPE	Internal and External areas
LITRES/m FOR EACH COAT	0.75
m /PAILS FOR EACH COAT	20
WFT/COAT	0.8mm
NUMBER OF COATS	2
FINISHED DFT (ALL COATS)	1.0mm

PRIMERS

- For porous substrates use DUROMASTIC™ ARW
- For non-porous substrates use DUOPRIME™ SSP PRO
- For high moisture applications use DUOPRIME™ 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 for internal applications 12mm x 12mm. External applications requires a 15mm x 15mm fillet. Remove all sealant residues and overhangs. The sealant can be coated immediately after application with DUROMASTIC™ P15 DIAMOND.

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™ P15 DIAMOND application.
- Sand & cement screeds and polymer modified renders must have cured for a minimum 7 days. High alkaline resistant primers and or sealers must have the surface prepared and primed with DUROMIX™ HIBUILD WBE (refer to technical data sheet) prior to DUROMASTIC™ P15 DIAMOND application.
- For Porous concrete substrates prime with DUROMASTIC™ ARW. Refer to the technical data sheet for application and coverage rates.

- For Semi Porous concrete substrate prime with DUROPRIME™ DSP. Refer to the technical data sheet for application and coverage rates.
- For Non Porous substrates like glazed ceramic tiles, PVC rigid plastic & metals must be lightly abraded and then cleaned dry. Prime with DUROPRIME™ SSP PRO. Refer to the technical data sheet for application and coverage rates.
- DUROMASTIC™ P15 DIAMOND should not be applied until substrate suitability has been assessed by the installer and all preparation steps have been completed as per relevant product or system technical data sheets.

MIX PREPARATION

It is a premix product and is ready to use. However it is advised to stir contents thoroughly before use.

APPLICATION

Apply DUROMASTIC™ P15 DIAMOND according to the recommended coverage rate with a thick paintbrush or 11mm nap roller. Allow the first coat to dry for a minimum of 2 hours and a maximum of 6 hours, at temperatures between 22°C and 35°C before applying the 2nd coat at 90° to the first coat. Ensure there are no pinholes or air bubbles on the membrane surface.

Allow the DUROMASTIC™ P15 DIAMOND to dry for a minimum of 48 hours prior to tiling or other finishes at 22°C and 50% relative humidity. Longer drying times will be required at lower temperatures or higher humidity. Drying times will vary depending on humidity, surface temperature and porosity of substrates. Specifications vary according to site conditions and should be taken as a guide only.

HEALTH & SAFETY PRECAUTIONS

The Material Safety Data Sheet (MSDS) must be read and understood prior to use.

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™ P15 DIAMOND.

HEALTH & SAFETY

Refer Durotech MSDS prior to use.

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

VICTORIA

34 Indian Drive Keysborough
Victoria 3173
Tel: 1300 434 272
sales@durotechindustries.com.au
www.durotechindustries.com.au

NEW SOUTH WALES

1 Prince William Drive, Seven Hills,
NSW, 2147
Tel: 1300 434 272
sales@durotechindustries.com.au
www.durotechindustries.com.au

QUEENSLAND

1/16 Export Drive, MOLENDINAR
QLD 4214
Tel: 1300 434 272
sales@durotechindustries.com.au
www.durotechindustries.com.au

SOUTH AUSTRALIA

30C Richard Street
Hindmarsh, SA, 5007
Tel: 1300 434 272
sales@durotechindustries.com.au
www.durotechindustries.com.au

