

# Guardian Seal PRO75

## Root-resistant Polyurethane Waterproofing Membrane

### Product Description

Guardian Seal PRO75 is a high-performance class 3 waterproofing membrane for professional applications. This membrane is a low VOC, moisture curing single part elastomeric polyurethane waterproofing membrane which is designed to be hand applied. This high-performance membrane is specifically formulated to have high pierce and root resistance for below ground applications.

### Product Advantages

- ❑ Guardian Seal PRO75 is a monolithic membrane meaning no lap, weld or seams.
- ❑ Guardian Seal PRO75 is low odour and low VOC and complies with Green Star requirements.
- ❑ Guardian Seal PRO75 provides optimal UV resistance and remains flexible at low temps.
- ❑ Guardian Seal PRO75 is fast curing providing a fast tack free surface.
- ❑ Guardian Seal PRO75 requires no reinforcing and has excellent crack bridging capabilities.
- ❑ Guardian Seal PRO75 has high elongation capacity of >300%.
- ❑ Guardian Seal PRO75 is highly resistant to puncture, fouling and stagnant water.

### Applications

Guardian Seal PRO75 is class III waterproofing membrane for most building applications including balconies, terraces, podium decks, wet areas, and rooftops. Is suitable for use in trafficable and full UV exposure applications.

### Technical Data

Product Type	Moisture Cure Polyurethane	One Component
Colour	Black	
Density (cured)	1.30 - 1.35	(g/cm <sup>3</sup> ) AS1683.4
Service Temp.	-20 to + 80°C	
Curing Time	Cured Overnight	
VOC content	250 g/L	ASTM D2369-10
Non-Volatiles	80	(%)
Shelf Life	9 Months	
Tensile Strength	6 MPa	AS1683.11
Elongation	>300 %	AS1683.11
Hardness (Shore A)	70	AS1683.15.2
Angle Tear Strength	20 kN/m	AS1683.12
UV Resistance ASTMG154-12a	2000hrs accelerated testing result - No reduction in elongation - No visible crack or blistering - Chalking evident	<b>Lamp:</b> UVB-313-EL <b>Wavelength:</b> ~310nm <b>Irradiance:</b> 0.71 W/m <sup>2</sup> /nm <b>Cycle:</b> 4 hours UV@ 60°C <b>Humidity:</b> @50°C

## Approvals & Testing

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- AS4754.1.2012 Waterproofing of External Above Ground Building Elements. (CSIRO Approved)

## Application Instructions

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### Surface Preparation

- Substrate should be primed with Guardian Seal Prime P10 prior to applying the membrane.
- Guardian Seal PRO75 can be applied with a brush or a roller to the desired thickness.
- 2 coats of 675 micron are required to achieve a dry film thickness of 1mm. (wall applications)
- 2 coats of 800 micron are required to achieve a dry film thickness of 1.2mm. (floor applications)
- 3 coats of 630 micron are required to achieve a dry film thickness of 1.4mm (high demand applications)
- For UV resistance, care must be taken to apply to the coating thickness recommended in this TDS, thinner coatings will result in premature degradation.
- Ensure ambient temperature is  $>5^{\circ}\text{C}$  and  $<35^{\circ}\text{C}$  before applying Guardian Seal.
- Guardian Seal can be subject to light foot traffic after 24 hours from application.
- Vehicle traffic is not recommended on Guardian Seal PRO75 without the application of a topcoat.
- Where extended UV resistance is required, it is recommended that Guardian Seal PRO75 should be coated with an Guardian Seal Coat topcoat system such as Guardian Seal Coat PRO 1K.
- Check with your Technical representative for compatibility before application.

## Recoating Instructions

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In normal conditions, Guardian Seal PRO75 can be recoated with another layer of Guardian Seal PRO75 after one night and within 2 days. In case of rain or if the recoating interval was exceeded, come back to the substrate by grinding. Contact your Technical representative with any questions.

## Coverage Rates

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- 2 coats of 675 micron are required to achieve a dry film thickness of 1mm. (wall applications)
- 2 coats of 800 micron are required to achieve a dry film thickness of 1.2mm. (floor applications)
- 3 coats of 630 micron are required to achieve a dry film thickness of 1.4mm (high demand applications)

## Notes & Precautions

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- Do not apply without the use of a primer.
- Do not apply if ambient temperature is  $>5^{\circ}\text{C}$  or  $>35^{\circ}\text{C}$ .
- Do not under apply coating as this will impact UV resistance and cause premature degradation.
- It is recommended to use a UV topcoat in areas which have regular high ambient temperatures.

## Safety & Handling

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- Wear suitable respiratory protection.
- Use in well ventilated areas. Avoid contact with skin and eyes.
- Wear eye protection and suitable gloves and clothing.
- Do not eat, drink or smoke while using this product.
- Take off contaminated clothing and wash before reuse.
- If on skin wash with plenty of soap and water.
- If in eyes: rinse cautiously with water for several minutes.
- Remove contact lenses, if present and easy to do. Continue rinsing.
- If Inhaled remove victim to fresh air and keep at rest in a position comfortable for breathing.
- If any skin or eye irritation persists or you feel unwell get medical attention.
- Safety Data Sheet is available upon request.

### **Health & Safety**

Health and Safety: Keep out of reach of children. May produce an allergic reaction. Safety data sheet available on request. Users must first read the Safety Data Sheet. Users should familiarize themselves with all the safety aspects of the product prior to usage.

#### **First Aid**

If poisoning occurs, contact a doctor or poisons information centre 13 11 26.  
If swallowed, do not induce vomiting. Give a glass of water to drink.  
If in eyes, wash with water for 15 minutes.

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### **Product Disclaimer**

Since the use and application of this product is beyond our control, we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. In every case we recommend that the customer conducts their own testing and accordingly determines, to their satisfaction, its suitability for their purpose under the operating conditions in which they will use the product/s.

For additional information, phone our Customer Service Centre on 0800 998 119.  
September 2021 - This Data Sheet supersedes those previously issued.

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### **Head Office**

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