

TECHNICAL DATA SHEET

GUARDIAN SEAL PRO CLASS 3 PU MEMBRANE

PRODUCT DESCRIPTION

GUARDIAN SEAL PRO 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 specified to provide high UV resistance and is suitable for direct foot traffic and demanding applications.

PRODUCT ADVANTAGES

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

APPLICATIONS

GUARDIAN SEAL PRO is class 3 waterproofing membrane for most building applications including balconies, terraces, podium decks, wet areas, and rooftops.

TECHNICAL DATA

Product Type	Moisture Cure Polyurethane	One Component
Colour	Grey / Black	
Density (cured)	1.40-1.45 (g/cm ³)	
Service Temp.	-20 to + 80°C	
Curing Time	Cured Overnight	
VOC content	250 g/L	
Non-Volatiles	80 (%)	
Shelf Life	9 Months	
Tensile Strength	6 MPa	
Elongation	>300 %	
Hardness (Shore A)	70	
Angle Tear Strength	20 kN/m	

UV Resistance
ASTMG154-12a

2000hrs accelerated testing
result
- No reduction in elongation
- No visible crack or blistering
- Chalking evident

Lamp: UVB-313-EL
Wavelength: ~310nm
Irradiance: 0.71 W/m²/nm
Cycle: 4 hours UV@ 60°C
Humidity: @50°C

APPLICATION INSTRUCTIONS

Surface Preparation

- Substrate should be primed with P20 prior to applying the membrane.
- Guardian Seal Pro can be applied with a brush or a roller to the desired thickness.
- 2 coats of 0.8 L/m² (1.04 kg/m²) are required to achieve a dry film thickness (DFT) of 1.2 mm.
- 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°C and <35°C before applying Guardian Seal Pro.
- Guardian Seal Pro can be subject to light foot traffic after 24 hours from application.
- Vehicle traffic is not recommended on Guardian Seal Pro without the application of a topcoat.
- Where extended UV resistance is required, it is recommended that Guardian Seal Pro should be coated with a topcoat system.
- Check with your Technical representative for compatibility before application.

RECOATING INSTRUCTIONS

In normal conditions, Guardian Seal Pro can be recoated with another layer of Guardian Seal Pro 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.

COVERAGE RATES

Recommended application rate is 2 coats at a minimum rate of 0.8 L/m² (1.04 kg/m²) per coating which will achieve a 1.2 mm dry film thickness (DFT).

NOTES & PRECAUTIONS

- Do not apply without the use of a primer.
- Do not apply if ambient temperature is >5°C or >35°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

- 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.

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.