



**Good Temperature Resistance**



**Good Wear Resistance**



**High Tensile Strength**



**Long-term Effective Waterproofing**

### AREA OF USE

- Roofs, balconies terraces and overhangs
- Structural concrete slabs, concrete walls and foundations
- Metal and asbestos roofs
- Green roofs and walls

### ➤ Packaging

6kg Pail | 25kg Pail

### ➤ Shelf Life & Storage

12 months in unopened condition. Store in a cool-dry covered place and avoid direct exposure to sunlight. Once the pail is opened, the product must be used immediately.

MVX Guard PU PureSeal is a single liquid component made from pure polyurethane, which once catalysed forms a continuous highly elastic and wear-resistant membrane, without any joints, overlapping or any integrated mesh needs. Its properties make it an excellent choice for achieving air-tightness and perfect waterproofing on a multitude of surfaces and substrates, offering great stability and durability.

It is applied manually, using a roller or brush and, exceptionally, using specific spray equipment. MVX Guard PU PureSeal bonds to any surface such as cement, concrete, polyurethane foam, butyl and bituminous sheets wood, polyurethane plastes, metal, etc.

If MVX Guard PU PureSeal is applied on the roof area, the system requires sun radiation protection (UV rays) as it is an aromatic membrane.

### TECHNICAL DATA

Properties	Typical Value
Recommended Thickness	+/- 2mm
Dry Time (23°C)	4 to 6 hours
Dilution (Airless Application)	10% Thinner PU
Application Tools	Brush, Roller or Airless
Application Method	Several Thin Layers
Elongation (23°C)	> 650%
Tensile Strength (23°C)	2 MPa
Colours	White, Grey, Red
Temperature Resistance	-40°C to +80°C
Yield	1.5 to 2.0 kg/m <sup>2</sup> with a thickness of 1.1 to 1.7mm. Applied in one or various depending on the application method and conditions

### ➤ Preparation

Ensure the surface is free of any laitance, dirt, oil, wax or debris which may prevent the MVX Guard PU PureSeal from properly adhering to the surface.

Dry the surface completely before application.

## ➤ **Application on Concrete**

New concrete must be cured for at least 28 days. Apply primer prior to application.

Apply MVX Guard PU PureSeal using one of the application methods below.

## ➤ **Application on Metal**

Metal surfaces should be sand-blasted in order to improve the surface's mechanical fixation properties. In many cases, the application of corrosion inhibiting products will be required.

For a quick and efficient cleaning up of the surface, use a ketone-based solvent. Apply water-based epoxy primer prior to application.

Apply MVX Guard PU PureSeal using one of the application methods on next page.

## ➤ **Classic Layer Application Method**

Stir up MVX Guard PU PureSeal until homogeneous. Do not dilute the product.

Extend a first layer using a short hair roller, with a maximum thickness of 0.8mm. Allow it to dry completely about 5 to 6 hours.

Repeat above process and apply the next layer until desired thickness is achieved.

## ➤ **Airless Mechanical Application Method**

Add 5% of solvent into MVX Guard PU PureSeal and mix it in medium speed using airless mechanical equipment.

Spray thin layer and allow it to dry completely.

Repeat above process and apply the next layer until desired thickness is achieved.

## ➤ **Cleaning**

All tools and equipment must be cleaned immediately with clean water after use. Hardened material can only be removed by mechanical means.

February 2023. Version 1.

**Disclaimer.** The information and recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability of final function at the job site is assumed. In practice, the differences in materials, substrates and actual size conditions are such that no warranty in respect of merchantability or fitness for particular purpose, nor any liability by the Company will be accepted for misuse, misreading or derivation from recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and all risks and liability in connection therewith. The information contained in the brochure may change at any time without notice.