

## DESCRIPTION

**PENREP 500** is a clear modified silane - siloxane solvent borne water repellent & water proofing chemical designed for deep penetration and long- term water protection in concrete and masonry. The active ingredient is micro particle sized to achieve deep penetration, chemically reacting with the substrate. Non-film forming and non-altering of surface appearance. Can be used on new or old structures allowing the substrate to breath.

## USES & FEATURES

For the preventing of water damage in buildings, parking decks, bridges and coastal structures, including exposed reinforced concrete from attack by chloride ions and water intrusion.

- Non-Film Forming
- Non -Staining
- Ready to use & simple to apply
- Chemically resistant to fuels, atmospheric contaminants and oils
- Suitable for many substrates including bricks & mortar
- Reduces water and chloride intrusion
- Allows water vapour to escape from substrate
- Helps to prevent efflorescence
- Seals hairline cracks up to 0.3 mm
- UV stable
- Excellent Penetration

## PROPERTIES

Appearance: Clear Liquid  
Specific Gravity: (kg/L) 0.75-0.79  
Typical Depth of Penetration: 3-5mm depending on porosity.



*PENREP 500 applied to concrete*



*This modified silane siloxane has very small molecules which when applied to the surface of a suitable substrate penetrate deeply, reacting with the substrate to provide complete water protection. When cured, they allow water vapor transmission while preventing liquid water getting in, which could contain dissolved chloride ions or acids to carry into the substrate.*

## SURFACE PREPARATION

Before application of **PENREP 500**, it is important to ensure the substrate to be treated is clean surface -dry and free from dust and loose material. All contamination must be removed to allow adequate penetration when the product is applied.

Previously painted surfaces must have all existing coating removed to allow penetration into the surface. Where surfaces have been water blasted or washed down to remove contamination, surfaces must be allowed to dry out completely before application is commenced, allowing deep penetration to occur.

### APPLICATION

**PENREP 500** should be applied in 2 flood coats (wet on wet) at an application rate of 0.2 litres / m<sup>2</sup> per coat. Can be applied by brush, roller or portable knapsack sprayer.

Do not contaminate with water. Before application the substrate should be dry to achieve maximum penetration.

All equipment and containers must be clean and dry. After use clean up with organic solvent or turps. Do not apply if temp is below 5°C or over 35°C. **PENREP 500** is not recommended for surfaces subjected to hydrostatic pressure.

### STORAGE & SHELF LIFE

When stored in original air-tight containers at or below 25°C. **PENREP 500** has a shelf life of 12 months.

### HEALTH & SAFETY

This material is flammable, and care should be taken not to use in enclosed spaces without ensuring adequate ventilation. Do not smoke or allow use of naked flames when product is in use or drying.

Refer to Crest Cormix Pty Ltd for **PENREP 500** safety data sheet of this material. Avoid skin & eye contact. Wear rubber gloves and safety goggles. Hands should be cleaned with cleaner followed by soap & water.

### QUALITY ASSURANCE

ISO 9001:2015



Manufactured in Australia by;

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#### Important Notice

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