



Product Guide

Innocoat Repell

Innocoat Repell is a superior penetrating sealer for use on external concrete surfaces providing protection from staining and UV light without changing the appearance.

Water just beads off while retaining that natural look.

Description

Innocoat Repell is a high quality complex siloxane polymer water repellent treatment used to make porous building materials, including concrete, water repellent without changing their appearance.

Innocoat Repell provides protection from staining, rain, infrared and UV light by forming a matrix beneath the surface that repels water while maintaining the porosity of the substance, allowing water to just bead off. Because Innocoat Repell reacts under the surface it does not increase any slip risk.

Features

- Designed and manufactured in New Zealand to withstand New Zealand conditions.
- UV Resistant
- No colour change in concrete
- Breathable
- No surface film so no peeling or wearing off
- Reduces dirt build-up and algae growth
- Prevents soluble salt bloom
- High Alkaline resistance
- Can be applied to all concrete, masonry, brick, stone, and plaster
- Easy to apply, good penetration and quick drying.
- Non Hazardous – clean up in water

Cautions

- Surface beading will reduce over time, though the pores will remain water repellent.

Physical Properties

Appearance : Milky white liquid

Odour: None

Water Solubility : Supplied Ready to Use, soluble in water

Pack Sizes : 5 L, 20 L Units. Bulk supply also available in 200L drums.

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Precautions

- Do not apply to any surface that has previously been treated with another product, ie other sealers, curing compounds, etc
- Do not seal concrete if the concrete temperature is below 4°C or above 30°C
- Do not apply in the hottest part of the day or in high humidity

Preparation

It is recommended that a test area is undertaken before application to ensure the sealer penetrates the surface and provides the required finish.

New concrete surfaces :

- Prepare by a light acid etch using Innocoat SyTEtch or HCL acid and waterblast with 2000 p.s.i to remove any laitance.

Old concrete surfaces :

Any existing coatings must be removed. Any contaminated areas should be treated with the appropriate cleaning agents prior to application of the sealer. When any coatings have been removed and contaminated areas treated, lightly acid etch with Innocoat SyTEtch or HCL acid and rinse thoroughly with fresh water.

Equipment

Soft bristle broom / brush – recommended for textured surfaces and exposed aggregate concrete

Sprayer – Garden pump-up sprayers can be used.

Roller – recommended for smooth or ground concrete. Use a 5mm mohair nap or similar

Application

Innocoat Repell can be applied at any time after placement, as long as the concrete is set sufficient to walk on.

- Apply a minimum of 2 coats. The second coat should be applied as soon as the first has been absorbed, wet to wet contact.
- Apply evenly, do not over apply. A white chalky residue may lay on surface where excess has been applied, this can be brushed or hosed off after drying, or left to wear off in time.
- Protect freshly coated surfaces from rain or freezing for at least 12 hours after application
- Allow 24 hours curing time before use.

Coverage

- Approx 1 – 4 m² / L on porous substances ,ie Oamaru stone, Hebel, plaster, concrete block
- Approx 5 - 10m² / L on denser substances, ie brick, dense concrete or stone
- Coverage will vary greatly depending on the porosity and texture of the concrete

Clean-Up All equipment can be cleaned with water



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Storage and Handling

- Handling :** Suitable protective clothing must be worn – Refer Personal Protective Equipment section
- Storage :** Store in cool, dry, well ventilated place in original container. Store out of reach of children.
- Ensure container is sealed when not in use and is checked regularly for leaks or spills.
- Innocoat Repell can be stored once opened for up to 12 months if kept tightly closed.

Personal Protective Equipment

- Eyes :** Avoid contact with eyes. Use safety glasses or chemical splash goggles.
- Skin :** Suitable protective workwear, ie cotton overalls buttoned at the neck and wrist. When handling large quantities a chemical resistance apron is also recommended.
- Protective gloves are recommended.
- See SDS for full Health and Safety information.

First Aid

- Swallowed :** DO NOT induce vomiting. Give water or milk to drink. Obtain medical attention immediately.
- For emergency information contact the National Poisons Centre (0800 764 766)
- Eyes :** Immediately flood with copious quantities of water, flushing eye thoroughly, for at least 15 minutes. Seek urgent medical attention.
- Skin :** Remove contaminated clothing and shoes. Wash skin thoroughly with excess water. If irritation occurs or persists, seek medical attention. Launder clothing and clean shoes before re-use.
- Inhalation :** Remove patient from exposure, keep warm and at rest.