



**Innovative
Coatings**

Product Guide

Innocoat Stone Seal

Innocoat Stone Seal penetrates and provides a surface protection that gives high resistance to water and oil borne staining while not changing the natural appearance of the substrate.

Description

Innocoat Stone Seal retains the natural appearance yet provides superior protection, ideal for stone, brick and concrete surfaces. The unique chemical formulation reacts and crosslinks with moisture in the substrate resulting in the prevention of water ingress. Innocoat Stone Seal is designed to prevent soiling and staining by preventing impregnation into the pores of the substrate.

Features

- Designed and manufactured in New Zealand to withstand New Zealand conditions.
- Provides superior protection against stains and soiling without changing the natural appearance
- Ideal for garage floors or other areas where oil or diesel spillage may occur.
- Suitable for concrete or natural stone surfaces
- Does not increase the slip coefficient
- Easy to apply, quick drying.

Cautions

- Cannot be applied as a waterproofing agent
- Does not act as a filler - cracks and defects must be repaired prior to application
- If too much moisture or water is present in the substrate the chemical reaction takes place too rapidly and penetration is decreased
- Can not be used in temperatures below 8°C
- While being a highly durable protection, the sealer will wear over time.

Physical Properties

Appearance :	Clear liquid
Odour:	Solvent odour
Water Solubility :	Not soluble in water

Pack Sizes : 1, 4, 10, 20 L Units. Bulk supply also available in 200L drums.



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Precautions

- Do not seal any concrete less than 28 days old
- 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 8°C or above 30°C
- Do not apply in the hottest part of the day or in high humidity
- Any cracks, pitting or pinholes must be treated prior to application
- Any spills must be cleaned up immediately to avoid staining

Preparation

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

Prior to application it is important to ensure that Innocoat Stone Seal can be applied to the concrete surface. A simple "water test" will quickly show if the surface will accept the coating.

- Drop a small amount of water on the concrete surface.
- If the water darkens (ie penetrates) the concrete within 15 – 30 seconds the concrete is likely to accept the sealer
- If the water beads on the surface this indicates that the concrete has high surface tension (too dense) and is not suitable for sealing with Innocoat Stone Seal.
- The beading could be due to previous treatments with other sealing compounds or contaminants. These must be removed prior to any sealer application.

Once it is confirmed that Innocoat Stone Seal can be applied prepare the concrete surface as follows;

New concrete surfaces :

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

Old concrete surfaces :

Any existing coatings must be removed by grinding, followed by the water test to ensure all remnants have been removed

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



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Equipment

Innocoat Stone Seal can be applied with any of the following;

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

Sprayer – ie airless sprayer. Some garden pump-up sprayers can be used, but the solvent will likely breakdown the seal and gaskets within the sprayer so suitable only for single use.

Roller – Use carefully to ensure even application. Use a solvent proof, 5mm mohair nap or similar

Bucket or paint tray

Safety Equipment – see Personal Protective Equipment section

Application

New concrete MUST BE FULLY CURED (at least 28 days after pouring) and then prepared as outlined above.

- Apply in thin coats, avoid pooling
- Apply a minimum of 2 coats. Porous or ground concrete may require a third coat to form an even surface coating
- Drying time between coats is 1 - 2 hours after application.
- Allow 24 hours curing time before use.

Coverage

- approx. 7 - 14 m²/ L depending on porosity of the surface

Clean-Up All equipment can be cleaned with Innocoat Stone Solvent Clean .

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.

Store away from direct sunlight, oxidizing agents, acids, detergents and foodstuffs.

Keep away from naked flames and other heat sources.

Ensure container is sealed when not in use and is checked regularly for leaks or spills.

Do not allow vapours to collect in enclosed spaces.

Innocoat Stone Seal can be stored once opened for up to 12 months.



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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. PVA or Viton/Butyl gloves are recommended. Replace frequently. Gloves should be checked for tears or holes before use. Open cuts covered.
- Rubber safety boots.
- Respiratory :** A respirator is recommended. Ensure the cartridges are correct for the potential air contamination and are in good working order.
- 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. If there is respiratory distress give oxygen and seek immediate medical attention.

Identification

- UN Number :** 1263
- HSNO Approval :** HSR002662
- Hazchem Code :** 3Y
- DG Class :** 3
- Packing Group :** III