



## Product Guide

# Innocoat BEADS OFF Natural Sealer

**Innocoat BEADS OFF is a superior penetrating sealer for use on external concrete surfaces providing protection from rain and UV light without changing the appearance.**

**Water just beads off while retaining that natural look.**

## Description

Innocoat Beads Off Natural Sealer is a high quality complex siloxane water repellent used to make porous building materials water repellent without changing their appearance.

Innocoat Beads Off Natural Concrete Sealer provides protection from rain and UV light, infrared and UV light while remaining almost entirely invisible. The complex siloxane properties of the resin form a matrix beneath the surface that repels water while maintaining the porosity of the substance, allowing water to just bead off. Because Innocoat Beads Off Natural Sealer reacts under the surface it does not increase any slip risk. When applied correctly Innocoat Beads Off Natural Concrete Sealer will remain effective for at least 10 years on all concrete, masonry, bricks, stone and plaster.

## 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.

## Cautions

- Not suitable for areas where ponding occurs or surfaces that have been previously painted.
- Surface beading will reduce over time, though the pores and will remain water repellent.
- As the surface is not coated staining and marking is possible, if not cleaned appropriately

## 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 concrete surfaces that are not completely dry, not just surface dry
- Do not apply to concrete surfaces that have been treated with concrete densifiers or hardeners
- Do not apply to highly burnished floors
- 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 12°C or above 30°C
- Do not apply in the hottest part of the day or in high humidity
- 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 penetrates the surface and provides the required finish.

The test area should be 0.5 -1.0m<sup>2</sup>, best done in a less obvious part of the concrete so as not be noticeable when the job is complete. Once the sealer is cured, wet the area and check the level of slip resistance.

Prior to application it is important to ensure that Innocoat Beads Off Natural Sealer 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 Beads Off Natural Sealer.
- 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 Beads Off Natural Sealer 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 Beads Off Natural Sealer can be applied with any of the following;

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

Sprayer – solvent capable 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 – recommended for smooth or ground concrete. 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 a minimum of 2 coats. The second coat should be applied as soon as the first has been absorbed.
- Protect freshly coated surfaces from rain for at least 4 -5 hours after application
- Allow 24 hours curing time before use.

### Coverage

- Approx 1m<sup>2</sup> / L on concrete block
- Approx 6m<sup>2</sup> / L on brick

Coverage will vary greatly depending on the porosity and texture of the concrete

Clean-Up All equipment can be cleaned with Innocoat Natural 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 Beads Off Natural Sealer 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