



Product Guide

Innocoat Penetrate Concrete Sealer

Innocoat Penetrate Concrete Sealer penetrates and protects porous concrete and exposed aggregate.

Description

Innocoat Penetrate Concrete Sealer primes, seals and protects decorative, stamped, coloured concretes, overlays, exposed aggregate, brick and other masonry finishes. It provides a medium to high gloss finish that gives excellent protection against dirt ingress and grime. Innocoat Penetrate Concrete Sealer was specifically developed to flow into pinholes on the surface of concrete and ensure high adhesive strength for further coats.

Innocoat Penetrate Concrete Sealer can be over coated with InnoCoat General Purpose Sealer or Innocoat GP High Gloss Sealer. Innocoat Penetrate Concrete Sealer can also be diluted down 50/50 with Innocoat Solvent Clean to protect natural Stone and Slate surfaces.

Innocoat Penetrate Concrete Sealer is the ideal foundation primer, quick drying and easy to apply.

Features

- Designed and manufactured in New Zealand
- Enhances the concrete's appearance with a light gloss finish
- Provides a strong base which allows improved adhesion to the substrate and ultimate holding for subsequent coats of Innocoat Penetrate, General Purpose or High Gloss Sealers
- Excellent for exposed aggregate concrete and porous surfaces
- Can be applied to decorative, stamped concrete, overlays, brick or masonry block
- Can be diluted down to protect natural stone and slate surfaces
- Easy to apply, quick drying, can be thinned if required.

Cautions

- Cannot be applied as a waterproofing agent
- Does not act as a filler - cracks and defects must be repaired prior to application
- Can make surfaces slippery – concrete surfaces should be appropriately textured or Innocoat Slip Reducer used
- While being a highly durable coating, 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 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 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. It is also important to check that the application of the sealer does not make the concrete surface too slippery.

The test area should be 0.5 -1.0m² , 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 Penetrate Concrete 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 Penetrate Concrete 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 Penetrate Concrete 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 :

Clean and remove all growth. 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 Penetrate Concrete Sealer can be applied with any of the following;

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

Sprayer – 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 in thin coats, avoid pooling
- Apply a minimum of 1 coats. Porous or ground concrete may require a second coat to form an even surface coating. If a higher gloss is required then over coat with either Innocoat General Purpose or High Gloss Sealers
- Drying time between coats is 2 - 4 hours after application.
- Allow 24 hours curing time before use.
- Vehicles can drive on the sealed surface 48 hours after application

Coverage

- Approx. 8 - 10 m²/ L per coat
- Coverage will vary greatly depending on the porosity and texture of the concrete

Clean-Up All equipment can be cleaned with Innocoat 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 Penetrate Concrete 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