

Nutech Concrete Range

Nutech Paint
Application Instructions & Guidelines
Nutech Concrete Coatings Range



PaveCoat® Cure & Seal

Features

PaveCoat® Cure & Seal Sealer utilises advanced technology developed over 40 years and is recommended for freshly paved concrete surfaces. Cure & Seal is specially formulated to apply on green curing concrete. Application of Cure & Seal on green concrete ensures that the surface cures efficiently. Independent testing by the CSIRO has shown that Cure & Seal prevents concrete dusting and provides significant benefits including surface hardness, colour retention and durability.

Typical Properties

| | |
|-----------------------------------|---|
| Appearance: | Clear colourless |
| Total Solids Content: | 15% |
| Per Cent Volatiles: | > 85% (Highly Flammable) |
| Specific Gravity: | 1.0 |
| Solubility In Water: | Immiscible |
| Minimum Film Forming Temperature: | 10°C. |
| Minimum Film Thickness: | 30 microns per coat 5 square metres per litre |

Recommended Application Rate: **One coat @ 5 square metres per litre**

Typical Uses

Typical projects include:

- Same day concrete sealing.
- Freshly poured concrete protection.
- Dust protective coating.

Some of the features of Cure & Seal are:

- Excellent surface penetration on fresh faux brick without additional thinning.
- Improves the curing efficiency of concrete.
- Reduces concrete salt 'efflorescence' on coloured surfaces.
- Provides greater wear resistance and durability.
- Improved colour retention.
- Prevents surface dusting.
- Suitable for smooth and rough surfaces.

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Refer to the Safety Data Sheet for information if spray applying in an enclosed area.

PaveCoat® Cure & Seal is manufactured from Acrylic Polymer Resins and is recommended for curing all types of concrete.

Suitable Substrates

Primarily developed for curing new Decorative Concrete, Plain and Pattern Concrete.

Equipment & Tools

Application by Broom, Roller, Brush or Spray is recommended subject to suitable preparation.

Number of Coats

Apply one coat of PaveCoat® Clear or High Gloss Clear over Cure & Seal to obtain a durable clear protective finish resistant to oil and most household chemicals. Conventional rough wood float finished concrete - One coat per 5sq mtr per litre.

Preparation

Note:

When Cure & Seal is not applied on the day the concrete is poured, It is **VERY** important that smooth steel trowelled surfaces and hardened concrete are acid etched ([refer Guidelines below](#)) to increase the surface porosity prior to sealing to ensure long term adhesion.

Sealing New and Old Concrete

Conventional rough wood float finished concrete requires no special surface preparation provided the surface is clean, and not saturated with moisture.

On cured smooth steel trowelled concrete, stamped concrete and other smooth hardened surfaces it is necessary to Acid Etch the surface to improve surface porosity.

A mixture of one part Hydrochloric Acid or Nu-EcoSafe Concrete Etch to 15 parts clean water is broomed over the concrete and allowed to penetrate for 10-15 minutes.

Flush thoroughly with water to remove the acid solution, preferably using a high-pressure water blaster (>1500 PSI). After water cleaning allow the surface to completely dry before sealing.

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On stamped concrete and other slate impression surfaces, acid etching and pressure water cleaning is essential to remove all release agent prior to sealing as same day sealing is not possible.

- New concrete surface can be green with no free water.
- Best results are achieved by airless spray or light brooming or brushing.
- Remove all loose paper and loose topping colour prior to sealing.

Note:

Sealing new concrete the next morning does not achieve the same curing efficiency result and adhesion problems can result on smooth surfaces.

Application Procedure

Cure & Seal will penetrate into the concrete surface and should not provide a glossy finish. Application of one additional coat of PaveCoat® Clear is recommended for this purpose. An even coat of Cure & Seal should be applied over the surface taking care to avoid sealer pooling in mortar joints and saw cuts.

Sealing of smooth or steep or sloping concrete surfaces may reduce pedestrian and vehicle safety. The addition of one packet of Anti-Slip powder per 20 litres of sealer in the final coat may reduce slipping. Sealing very steep and smooth surfaces is not recommended.

Test Patch

Testing on these surfaces is recommended before applying sealer.

Drying & Curing Time

Curing time depends on wind and temperature.

- Allow a minimum of 1 hour between coats in warm weather and longer in cool weather.
- Full curing is not achieved for up to 1 week.
- Avoid parking vehicles for several days in cold weather and 5 days in hot weather.

Do not allow vehicle use on surface for 7 days.

Touch Dry

At 25°C Cure & Seal will touch dry in 15 minutes.

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Application Warnings

Do not apply Cure & Seal late in the day as the risk of surface damage caused by dew and condensation increases.

Sealer affected by moisture loses gloss and may appear milky.

PaveCoat® Cure & Seal contains flammable solvents and suitable safety precautions must be taken during handling and application.

- Ensure adequate ventilation **at all times** when applying the sealer. Avoid contact with Naked flames, Sparks, Pilot lights and other sources of ignition.
- Avoid contact with Eyes and Skin. **Read 'Safety Directions'** on container.

Safety Precautions:

Refer to the PaveCoat® Cure & Seal' **Material Safety Data Sheet** and the Nutech Concrete Sealer **Application Guidelines** for complete product and safety information before using product.

PaveCoat® Cure & Seal is highly flammable and skin contact should be avoided.

Seek immediate medical advice if safety or health issues arise.

DISCLAIMER: Warranty and Limitation of liability:

Warranty

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Nutech warrants its products to be free from defects in material and workmanship. Nutech's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Nutech's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products.

Any claim under this Warranty must be made by Buyer to Nutech in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Nutech of such non-conformance as required herein shall bar Buyer from recovery under this Warranty.

Nutech makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Nutech be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the use of the products made by Nutech, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Limitation of Liability

Nutech's liability on any claim of any kind, including claims based upon Nutech's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which gives rise to the claim. In no event shall Nutech be liable for consequential or incidental damages.

Important Note

The information given on this data sheet is based on many years experience and is correct to the best of our knowledge. However since the use of our product, surface conditions, weather and a number of other factors are completely beyond our control, we can only be responsible for the quality of our product at the time of dispatch. For more information please contact our Company. As this information is of a general nature, we cannot assume any responsibility in individual cases.