



Technical Data Sheet

PaveCoat Cure & Seal

Product Description **PaveCoat Cure & Seal** is a solvent based, acrylic polymer concrete sealer designed for “same day” application directly to green curing concrete which will assist in water retention to improve cure strength.

PaveCoat Cure & Seal can also be applied to suitably prepared fully cured and old uncoated concrete surfaces to protect and provide a durable, dust free surface ideal for pedestrian and vehicular traffic.

Independent testing by the CSIRO has shown that **PaveCoat Cure & Seal** prevents concrete dusting and provides significant benefits including surface hardness, colour retention and durability.

PaveCoat Cure & Seal Features:

- 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 a range of smooth and rough surfaces
- Excellent surface penetration on fresh faux brick without additional thinning

Safety Precautions: Observe all Occupation Health and Safety (OH&S) precautions. Refer to the relevant Safety Data Sheets (SDS) for product safety related information. For further information and support: **Nutech Paint 03 9770 3000**
www.nutechpaint.com.au

KEEP AWAY FROM HEAT, FLAME AND SOURCES OF IGNITION.

- Vapours are heavier than air. Keep container closed.
- Use only with adequate ventilation.
- Avoid contact with eyes, skin and clothing.
- Wash thoroughly after handling.
- Avoid breathing vapours.
- DO NOT take internally.
- Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations

Provisions: **Pre-existing, coated floors:**
PaveCoat Cure & Seal IS NOT RECOMMENDED for this application.

PaveCoat Cure & Seal will penetrate the concrete surface and should not provide a glossy finish.

Should a gloss finish be required, apply one additional coat of PaveCoat Clear is recommended for this purpose. Refer to the PaveCoat TDS for further application details.

Refer Nutech Representative for recommendations.

Chemical Type: Solvent based acrylic polymer



Product Attributes	Per Cent Volatiles: > 85% (Highly Flammable) Solubility in Water: No Minimum Film Forming Temperature: 10°C. Minimum Film Thickness: 30µm
Typical Applications	Typical projects include: Domestic & Multi Density Residential, Industrial and Commercial uses where a same day sealer or dust sealer is required.
Appearance	Single pack clear colourless viscous liquid
Coverage / Spread Rate	5m²/L Note: Coverage will depend on the porosity and roughness of the surface. To maximise performance do not over spread.
Packaging	4L, 10L, 20L, 200L
Storage	Cool, dry location. Avoid contact with direct sunlight and heat
Shelf life	Stored 24 months @ 25°C (Or relevant to specific Product)
Substrate Recommendations:	All types of concrete, footpaths, paving, driveways, tilt slab construction, asbestos and cement sheeting, slate flooring, concrete roof tiles, pattern paving, stamped and slate Impression paving, stencil paving and spray paving.
NOTE	<p>Same Day Sealing (Including slate or stencilled concrete): PROVIDING THAT the concrete surface <u>is firm and resistant to light foot traffic</u>, PaveCoat Cure & Seal can be applied. Ensure the surface is clean, and not saturated with moisture. HOWEVER, as PaveCoat Cure & Seal assists in moisture retention to improve the concrete curing process, next day sealing <u>IS NOT RECOMMENDED</u>.</p> <p>If same day sealing is not practical, Nutech Paint recommends allowing the new concrete surface a minimum 5 – 7 days cure prior to application*.</p> <p>*Subject to weather, temperature, concrete strength and other factors. In winter, concrete will remain cold and wet on the surface for up to 7 days. Sealing of this concrete IS NOT recommended <u>until the surface has started to whiten, indicating adequate curing</u>.</p> <p>Smooth, Steel Trowelled Surfaces and Hardened Concrete: It is VERY important that are etched to increase the surface porosity prior to sealing to ensure long term adhesion.</p> <p>Conventional Rough Wood Float Finished Concrete: No special surface preparation required PROVIDING THAT the surface is clean, and not saturated with moisture.</p> <p>Stamped Concrete and Other Slate Impression Surfaces: Etching and pressure water cleaning is essential to remove all release agent prior to sealing as same day sealing is not possible on these surfaces.</p>
Mixing/ Thinning	Diluting Solvent & Clean Up: Nutech Thinners <ul style="list-style-type: none">• Stipple finish concrete: 20%• Smooth steel trowel finished: 50%
Test Patch	As surface profiles can vary depending on application where practical, conduct a small test patch in an inconspicuous area to ensure adequate product performance, substrate porosity and provide an indication of the time required to complete project.



Substrate note: **PaveCoat Cure & Seal** is recommended for NEW or OLD UN-COATED concrete surfaces only.
Powdery or Soft Concrete: DO NOT Etch or Acid Wash as this may damage the surface.

Application Broom, Roller, Brush or Spray (Recommended subject to suitable surface preparation).

Procedure: **Preparation - Green Curing Concrete**
PaveCoat Cure & Seal may be applied to fresh curing 'green' concrete the same day. Refer to the NOTE Section (page 2) of this TDS on

Application: Green Curing Concrete (Same day Sealing)

Thin **PaveCoat Cure and Seal** in accordance surface profile and as recommended in the Mixing/ Thinning section (Page 2) of this.

Apply: one even saturation coat of **PaveCoat Cure & Seal** over the surface taking care to avoid sealer pooling in mortar joints and saw cuts.

DO NOT apply **PaveCoat Cure & Seal** late in the day as the risk of surface damage caused by dew and condensation increases.

If the first coat of sealer is not applied on the same day concrete is poured, it is important to wait until the surface is sufficiently cured.

In this instance, refer to the Preparation - Sealing New Fully Cured Concrete Surfaces preparation recommendation below on this TDS.

Preparation - Sealing New Fully Cured Concrete Surfaces:

NOTE: Allow a minimum 5-7 days for concrete to cure prior to coating.

- High pressure water blast (Min. 3000 psi) to remove efflorescence, dust and contamination
- Clean all new concrete with **Nu-EcoSafe Etch** in accordance with TDS guidelines. (This includes: Smooth Concrete, Hardened Surfaces, Slate Impression, Polished or Ground concrete, Stone Dust and Colour Hardened concrete, Steel Towedled concrete and Smooth Towedled Joint and Border lines).
- Brooming over the surface, allow **Nu-EcoSafe Etch** to penetrate for several minutes to improve surface porosity.
- Thoroughly flush the surface with clean water to remove the acid solution
- Allow to dry completely before sealing.

Application: Sealing New Fully Cured Concrete Surfaces:

Thin **PaveCoat Cure and Seal** in accordance surface profile and as recommended in the Mixing/ Thinning section (Page 2) of this TDS.

Apply: one even saturation coat of **PaveCoat Cure & Seal** over the surface taking care to avoid sealer pooling in mortar joints and saw cuts.

DO NOT apply **PaveCoat Cure & Sea** late in the day as the risk of surface damage caused by dew and condensation increases.



Preparation – Sealing Old Raw Concrete Surfaces:

- All stains including oil and grease, chewing gum, food, silicon should be cleaned using **Nu-EcoSafe Degreaser** in accordance with the relevant TDS.
- Etch the concrete surface with **Nu-EcoSafe Etch** in accordance with the relevant TDS.
- Ensure the surface is thoroughly rinsed and dry prior to top coat application

Application: Sealing Old Raw Concrete Surfaces:

Thin **PaveCoat Cure and Seal** in accordance surface profile and as recommended in the Mixing/ Thinning section (Page 2) of this TDS.

Apply: one even saturation coat of **PaveCoat Cure & Seal** over the surface taking care to avoid sealer pooling in mortar joints and saw cuts.

DO NOT apply **PaveCoat Cure & Sea** late in the day as the risk of surface damage caused by dew and condensation increases.

Drying Time

Curing time is dependent on ambient temperatures.

Touch Dry: **15 minutes @25°C.**

Full curing is not achieved for up to one week.

DO NOT part vehicles with hot tyres on newly applied FastSeal for at least seven days.

Recoat

Min. 2 hours.

At cooler temperatures or higher humidity drying times will be extended.

Clean Up

Protecting Our Environment is important to Nutech Paints:

Clean up with **Nutech Thinners** or dispose of equipment. Do not pour left over paint down drains or in rubbish bins. Unwanted paint should be kept in a sealed container and then disposed of via special waste collection services.

Empty paint containers should be left open in a well ventilated area to dry out.

Dispose of empty paint containers in accordance with local authority guidelines.

Always check with your local council first.

First Aid

SEEK IMMEDIATE MEDICAL ATTENTION. Refer to the appropriate **Nutech Material Safety Data Sheet** (MSDS) for further information.

For medical emergencies only, call: 000

- In case of eye contact, flush thoroughly with water for at least 15 minutes.
- In case of skin contact, wash affected areas with soap and water. If irritation persists.
- Remove and wash contaminated clothing.
- If inhalation causes physical discomfort, remove to fresh air.
- If discomfort persists, or any breathing difficulty occurs or if swallowed seek medical advice.



Warranty

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.

Disclaimer

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.'

The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

Nutech

Nutech Paint
PTY LTD

☎03 9770 3000

✉sales@nutech.com.au

www.nutechpaint.com.au