

Technical Data Sheet

PaveCoat Cure & Seal

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

- 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
 - Ideal for faux brick, without additional thinning

Safety Observe all Occupation Health and Safety (OH&S) precautions.
Precautions: Refer to the relevant Safety Data Sheets (SDS) for product safety related information.
 For further information and support: **Nutech Paint 03 9770 3000**
<https://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: **PaveCoat Cure & Seal** IS NOT RECOMMENDED for pre coated concrete floors.

PaveCoat Cure & Seal will penetrate the fresh concrete surface and should not provide a gloss finish. Should a gloss finish be required, apply one additional coat of **PaveCoat Clear**. Refer to the relevant **PaveCoat TDS** for further application details. If in doubt, contact Nutech Paint for further recommendations.

Chemical Type: Solvent based acrylic polymer

Product Attributes: Per Cent Volatiles: > 85% (Highly Flammable)
 Solubility: Solvent
 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: Clear 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)

Recommended Substrates: 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: **Same Day Sealing** (Including slate impression or stencilled concrete):
 PROVIDING THAT the concrete surface is firm and resistant to light foot traffic, **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 IS NOT RECOMMENDED.

If same day sealing is not practical, Nutech Paint recommends allowing the new concrete surface a minimum 7 days cure prior to application*.

*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 until the surface has started to whiten, indicating adequate curing.

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.

Conventional Rough Wood Float Finished Concrete:

No special surface preparation required PROVIDING THAT the surface is clean, and not saturated with moisture.

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.

Mixing/ Thinning: **NOTE:** It is important to ensure good penetration into the concrete on first coat application.

Diluting Solvent & Clean Up: **PaveCoat Thinners**

- 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 Airless Spray

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 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 Towelled concrete and Smooth Towelled 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 & Seal** 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 & Seal** 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 and conditions. Cure time will be extended in cooler temperatures or high humidity.

Touch Dry: **15 minutes @25°C**

Recoat: **One coat required**

Full Cure: **7 days**
DO NOT park vehicles on newly applied PaveCoat for at least 7 days
*Drying times will be extended in cooler temperatures or higher humidity

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 Safety Data Sheet** (SDS) for further information. For medical emergencies only, call: 000

- In case of eye contact, flush thoroughly with water for at least 15 minutes

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- In case of skin contact, wash affected areas with soap and water
 - 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
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NuTech Paint Pty Ltd

T +61 3 9770 3000

4 Keppler Circuit

Seaford VIC 3198

nutech.com.au



Warranty:

Nutech Paint 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 non-conforming products. Any claim under this Warranty must be made by Buyer to Nutech Paint in writing within five days (5) 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 Paint of such non-conformance as required herein shall bar Buyer from recovery under this Warranty. Nutech Paint 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 Paint be liable for consequential or incidental damages.

Our goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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 provided in 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 Nutech Paint.

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.

Any recommendation or suggestion relating to the use of the products made by Nutech Paint, 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.
