



Technical Data Sheet

Nu-EcoSafe Etch

Description: **Nu-EcoSafe Etch** is an environmentally friendly, easy to use concrete surface preparation solution. **Nu-EcoSafe Etch** is designed specifically for etching rough and slightly porous bare concrete to improve adhesion of the Nutech range of concrete coating products.

Benefits:

- Water based
- Promotes excellent adhesion
- Easy to use

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**
<https://nutechpaint.com.au/>
Always add **Nu-EcoSafe Etch** to water.
Wear protective clothing, gloves, eye/face protection and suitable respirator

Chemical Type: Mineral Acid Salt of Amide

Product Attributes: Per Cent Volatiles: Nil
Solubility: Water
Minimum Film Forming Temperature: N/A
Minimum Dry Film Thickness: N/A

Typical Applications: Typical projects include:
Concrete surfaces for Domestic & Multi Density Residential, Industrial, Commercial, Restaurants, Hospitals, Supermarkets, Service Stations and Workshops where bare concrete needs to be prepared and painted.

Appearance: Yellow liquid

Coverage/Spread Rates: **2 – 3m²/L**
Actual coverage rates may vary depending on the texture and porosity of the concrete.

Packaging: 2.5L, 5L, 10L, 20L
Shelf life: 24 months @ 25°C

Storage: Cool, dry location. Avoid contact with direct sunlight and heat

Recommended Substrates: **Bare Concrete only**
DO NOT Etch powdery, soft or pre-painted concrete as the etch may damage the surface.

Mixing/Thinning: **Prior to Commencement:** Always add **Nu-EcoSafe Etch** to water.
Rough stipple finished concrete: **1 part Nu-EcoSafe Etch to 15 parts water**
Smooth steel trowelled concrete: **1 part Nu-EcoSafe Etch to 10 parts water**
Concrete swimming pool surfaces: **1 part Nu-EcoSafe Etch to 5 parts water**

Pot Life: N/A

Test Patch: 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 Notes: DO NOT apply **Nu-EcoSafe Etch** as a means to remove surface contaminants.
PRIOR to etching concrete;

Oil & Grease Contamination:

Surface must be free from contamination and impurities prior to etching and coating.
Refer to the TDS and apply as directed: **Nu-EcoSafe Degreaser**.
Note: Multiple treatments may be required to remove all grease and oil.

Moss & Mould Contamination:

Surface must be free from contamination and impurities prior to etching and coating.
Refer to the TDS and apply as directed: **MossRid**

Painted Concrete in poor condition:

Surface must be free from contamination, impurities and loose or flaking paint prior to etching and coating.
Refer to the TDS and apply as directed: **Nu-EcoSafe Strip Industrial**

Application: Hand pump sprayer OR
Plastic watering can with a rose type shower head (Recommended)

Procedure: Assess bare concrete substrate for suitable porosity prior to treatment.
This can be done by performing a porosity test;

Determine Concrete Porosity

- Measure 1 cup of fresh water and pour onto the dry surface
- Observe water absorption noting absorption within 30 seconds
- If water pools or is slow to be absorbed, a second stronger solution of etch will be required (Refer etch mix ratios in this TDS and follow directions for Hardened or High MPa Concrete where required)
- Repeat process for determining porosity

Applying the etch

- Dilute as recommended adding the etch concentrate to the watering can
- Use the watering can to evenly wet the entire concrete surface with diluted **Nu-EcoSafe Etch** solution and allow to activate on the surface for 15 minutes
- After 15 minutes, high pressure water clean (minimum 2000 psi)
- Allow surface to dry thoroughly

Always check surface after etching. Surface should be slightly rough and porous. Assess surface porosity and repeat as noted above.

Once etched and washed, allow concrete to dry before coating.
A moisture content should also be performed

Determine moisture content

- The concrete should have less than 5% moisture content prior to sealing
- A calibrated moisture test meter should be used to assess the percentage of moisture present prior to application

Nutech Tip: If there is no access to a moisture test meter, tape a plastic sheet onto the concrete surface and leave for 30 minutes. After 30 minutes, lift the plastic sheet. If no moisture or condensation is present under the sheet, the concrete is dry enough to apply the sealer.



Drying Time: N/A

Recoat: N/A

Hard Cure: N/A

Clean Up: Protecting Our Environment is important to Nutech Paints:
Clean up with clean water. Do not pour leftover cleaner down drains or in rubbish bins. Unwanted cleaner should be kept in a sealed container and then disposed of via special waste collection services.
Empty cleaner containers should be left open in a well-ventilated area to dry out. Dispose of empty containers in accordance with local authority's 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
- 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



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.

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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.

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