

Nutech EcoSafe Range®

Nutech Paint
Application Instructions & Guidelines
Nutech EcoSafe Range



Nu-EcoSafe-Strip Concrete Etch

Nu-EcoSafe-Strip Concrete Etch is a water-based surface prep etching compound specifically designed to provide a surface profile on green and mature concrete. Etching is often a pre-requisite for application of high performance paint / coating system.

Features

- Fast acting
- Will not burn skin on contact
- No corrosive fumes like muriatic acid
- Will not run or migrate
- Clings to vertical and horizontal surfaces
- Easy clean up with running water
- Non-ozone-depleting
- Water-based
- Biodegradable
- Non-flammable
- Contains no TAPs or HAPs (Toxic / Hazardous Air Pollutants)
- Will remove most concrete
- No muriatic acid
- Low odour
- sealers with extended exposure

Cost effective because:

- Reduces man-hours and effort required to complete a project
- Reduces cost of waste disposal
- Reduces down time because other work at site can continue while safe etching is being conducted
- Reduces insurance costs for worker safety and storage hazards

Typical Properties

Appearance:	Yellow Liquid
Specific Gravity:	1.2
Viscosity (cPs)	3000 - 6000
Boiling Point:	100°C
Freezing Point:	0°C
pH(direct reading):	1.0 - 2.0
VOC Content:	N/A
Flash Point:	112°C
Shelf Life:	24 months
Coverage: (theoretical)	2 to 3 sq.m per Litre

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Typical Uses

Nu-EcoSafe-Strip Concrete Etch, has been proven to effectively etch green and mature concrete and masonry. The depth of etching achieved with Nu-EcoSafe-Strip Concrete Etch is the same as that of hydrochloric or muriatic acid. The residue is easily removed by water rinsing. These products are suitable for treating vertical and horizontal surfaces.

Typical projects include:

- Sidewalks
- Patios
- Shop floors
- Factory and warehouse floors
- Aircraft hangar floors
- Residential garages
- Driveways
- Concrete stairways
- Tilt slab walls

Packaging

8 per Carton
2 per Carton
Single Unit
Single Unit

Sizes Available

1L Plastic Jerry Can
5L Plastic Jerry Can
10L Cube
20L Cube

Applications & Features

EQUIPMENT AND TOOLS: This product is engineered for brush or broom application. Other equipment: brushes, broom, plastic watering can, masking tape, polyethylene sheet, pressure washer, empty pails for clean-up, running water, rags.

PREPARATION: Ensure that all areas not to be etched are suitably protected. Ensure that all areas to be etched are clean, dry and free of oil and grease. Optimum surface temperatures should be in the range of 20° to 32°C. The product performs effectively at lower temperatures (even at 0°C) but the dwell time increases.

TEST AREA: Conduct a small test on an inconspicuous area to ensure product performance. This will indicate the time required and dilution rate for project completion and suitability of product for the substrate.

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Application Guidelines

APPLICATION PROCEDURE: Pour product on area to be etched and spread using a nylon brush, broom or rag. Allow to dwell for 15 minutes. Agitate with a nylon brush or broom and allow to dwell for another 15 minutes. Most concrete will be etched within 30 minutes of exposure. Rinse or preferably high pressure clean the surface as soon as an adequate etch has been achieved.

DWELL TIME: The time required to etch the concrete depends on the type and age of the concrete. Most concrete will be etched within 15 to 30 minutes. Rinse the product off as soon as an adequate etch has been achieved. If you want a deeper etch, apply fresh product and allow another 15 minutes of contact time. Repeat if additional etch is required.

COVERAGE: Depending on the substrate, the coverage rate normally falls between 2 to 3 sq.m/L.

DILUTION: For rough stipple finish concrete, dilute 1 part to 10 parts water and for smooth steel troweled concrete, dilute 1 part to 5 parts water. For surfaced hardened concrete or high MPA concrete do not dilute. Always check concrete to ensure concrete has been etched and is porous. Repeat process if required.

CAUTION: When using product undiluted, extreme care should be taken to avoid damaging or over etching concrete, as this may cause a patchy appearance when coated.

RE-COATING: As with any etching compound, it is advisable to check the pH of the substrate before recoating to ensure that it is compatible with the new coating system to be applied

REMOVAL AND CLEAN UP: Be sure to use generous amounts of water. For small areas, removal of residue can be completed by wiping with a dry cotton cloth, followed by generous water rinse. For larger areas, best results are achieved using a pressure washer. **It is important to remove all loosened concrete residue in the rinsing process.** You can use a wet vacuum to remove the excess water to allow concrete to dry faster. Nu-EcoSafe-Strip Concrete Etch will remove rust on paint but will not affect the painted surface.

SAFETY PRECAUTIONS: Proper safety procedures should be followed at all times while handling the product. Wear rubber gloves and safety goggles.

Refer to the Material Safety Data Sheet for important health and safety information before use.

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DISCLAIMER: Warranty and Limitation of liability:

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.

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.