

Eco-Etch[™]

Concrete Etch & Clean
Concentrate

Pro

ecoprocote[™]
The Sustainable Coatings Brand

Product Data Sheet

PROFESSIONAL GRADE PERFORMANCE

Eco-Etch Pro[™] is a water-based non-hazardous, non-corrosive, biodegradable concentrate concrete etching and cleaning solution. This advanced formula incorporates a custom blend of surfactants, organic minerals and derivatives of lime extract for the most effective concrete etching solution available. It does not contain phosphoric, hydrochloric or muriatic acid, yet works better, safer and faster. A preferred eco-friendly and user friendly etching alternative for interior or exterior surface preparation applications.

Clean and etch concrete, masonry, cinder block, brick, mortar joints and grout to properly prepare substrates for optimum penetration and adhesion of stains, paints, industrial coatings, and sealers. Effectively removes dirt, clay, mortar deposits, rust and efflorescence. A one step etch and clean solution that brings back a new look surface.

Eco-Etch Pro[™] begins to work immediately upon contact without toxic hazards or dangerous skin burns associated with traditional acid formulas. Eco-Etch Pro[™] should be used in full strength or diluted up to 3:1 (makes up to 4 gallons) with water for lighter cleaning and etching requirements. One gallon will cover up to 250 square feet. Dwell time will vary from 1 to 15 minutes which is also affected by the dilution ratio, porosity, and temperature. Rinsing thoroughly with water neutralizes the etching action.

SURFACE PREPARATION & CLEANING FOR:

Decorative Floors ♦ Industrial Coatings ♦ Tilt-Up
Concrete Countertops ♦ Masonry ♦ Pre-Cast
Polished Concrete ♦ Green Concrete ♦ Concrete Art

PERFORMANCE FEATURES:

- ♦ No VOC's
- ♦ Non-Hazardous
- ♦ Non-Flammable
- ♦ Non-Fuming
- ♦ Non-Corrosive
- ♦ Interior/Exterior Use
- ♦ Neutralizes With Water
- ♦ Significant Labor Savings
- ♦ Fast Acting
- ♦ Vertical or Horizontal Use

ENVIRONMENTAL FEATURES:

Eco-Etch Pro[™] is simply the safest, fastest, and most effective etching solution available. It does not promote toxic acidic offgassing as compared to phosphoric, hydrochloric or muriatic acid products. Eco-Etch Pro[™] is biodegradable and contains no VOC's or Phosphates. It offers quicker application and return to service saving time, labor and energy.

This innovative chemistry helps green builders meet Green Building certification criteria for low-emitting materials. It also provides for a safer construction site as there are no flammable, combustible, corrosive, or hazardous reporting ingredients, and does not cause harmful contact injury as compared to conventional acids traditionally used for etching processes.

AVAILABLE AT:

Amicus
Green Building Center
301-571-8590 - www.amicusgreen.com

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TECHNICAL DATA:

VOC: 0 g/l
Appearance: Clear
Dwell Time: 1-15 Minutes

Odor: Very Mild. Sweet.
Freezing Point: 32°F
Shelf Life: 12 Months

APPLICATION:

Ensure that all adjacent surfaces not to be etched are appropriately protected. All areas to be etched must be clean, dry and free of sealers, coatings, oils, grease, or other foreign contaminants.

Test Area: Always prepare a test patch prior to full application. This will indicate the optimum dwell time, dilution and substrate compatibility required for successful project completion. Use in concentrate form for more aggressive etching or to minimize contact time. Dilute up to 3 parts water to 1 part concentrate depending on level of cleaning and etching desired. The longer the contact time, the more penetration of etch. Etching will continue for as long as the material remains wet on the surface and prior to neutralizing.

Apply by pouring material directly to the surface or by garden-type pump sprayer. Spread out material if necessary to ensure uniform coverage by using brooms or brushes. Work in controllable areas depending on temperature and environmental conditions to avoid premature drying of material. Best results are achieved at temperatures above 40°F and below 95°F. Warmer temperatures will accelerate drying that may require working in smaller areas or constant re-applications to keep the material wet during the determined contact time. Pre-spray area with water if surface is hot or material dries too fast. Do not allow material to dry before rinsing.

Etching will begin immediately as witnessed by a mild foaming action. If foaming is not present, a barrier or incompatibility exists between the material and the substrate. Such barriers must be removed prior to proceeding. Allow 1-15 minutes contact time as determined by your test patch. Add mottling effects by varying contact times.

Neutralizing/Cleaning: For small areas, simply rinse area thoroughly with clean water, then wipe clean with dry lint free cloth. For larger surfaces, rinse liberally with clean water applied by garden-type pump sprayer or hose. Use a hard bristle brush or floor buffer with medium to coarse stripping pad. Extract all residue with a wet/dry vacuum. Repeat rinse if necessary to ensure all residue is removed. Outdoor applications may be best performed by rinsing thoroughly with a pressure washer.

Staining/Coating/Sealing: As with any etching compound, it is advisable to check the pH of the substrate before applying a coating material to ensure that it is compatible with the new coating system being applied. Perform a final substrate test for adequate porosity prior to coating application. Then follow all coating manufacturer instructions.

Follow all safety precautions on the product label. You may download the MSDS and installation guide at: www.ecoprocote.com or ask your dealer. Keep away from children.

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