Eco-Etch™
Concrete Etching Gel

ecoprocote™ The Sustainable Coatings Brand

Product Data Sheet

ETCHING GEL & SEALER REMOVER

Eco-Etch™ is a water-based non-hazardous gelled concrete etching compound that is non-fuming and provides more consistent results compared to hydrochloric or muriatic acid. The gelled formulation allows versatile application for vertical or horizontal surfaces to open pores on hard non-porous concrete surfaces for superior decorative coating penetration and adhesion. It also removes most sealers and cure-n-seal products in one easy step.

The gelled viscosity and time activated process makes etching safer with more uniform results. Highly viscous materials tend to evaporate quickly and will collect at low points on horizontal surfaces potentially leading to inconsistent results. Additionally, accidental spills or skin exposure to acid will cause immediate injury to the user and substrate.

Eco-Etch™ works over time and usually within 5 minutes to 1 hour while having the ability to remove most sealers or even some cure and seal compounds in one easy step. You may also use Eco-Etch to remove most efflorescence and mortar deposits on concrete or masonry surfaces.

PERFORMANCE FEATURES:

◊ Zero VOC's
◊ Non-Hazardous
◊ Non-Flammable
◊ Non-Fuming
◊ Removes Most Sealers
◊ Interior/Exterior Use
◊ Neutralizes With Water
◊ Significant Labor Savings
◊ Uniform Coverage
◊ Vertical or Horizontal Use

ENVIRONMENTAL FEATURES:

Eco-Etch™ utilizes an organic salt descaler water-based technology that does not promote toxic acidic offgassing as compared to hydrochloric or muriatic acid compounds.

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

ECO-ETCH™ APPLICATIONS:

◊ Decorative Floors
◊ Concrete Countertops
◊ Polished Concrete
◊ Green Concrete
◊ Masonry
◊ Artistic Features
◊ Tilt-Up
◊ Pre-Cast
◊ Fiber Cement

ECO-ETCH™ PACKAGING:

Eco-Etch will yield approximately 50 to 150 square feet per gallon depending on the porosity of the substrate and application method used.

1 Gallon Bucket/4 Case Pack
5 Gallon Pail

AVAILABLE AT:

TECHNICAL DATA:

VOC: 0 g/l
Odor: Very Mild. Virtually Odorless
Viscosity: > 5,000 cps
Appearance: Amber Gel
Freezing Point: 32°F
Dwell Time: 5 Minutes to 1 Hour
Shelf Life: 24 Months

APPLICATION:

Ensure that all adjacent surfaces are suitably protected. Ensure that all areas to be etched are clean, dry and free of oil and grease. DO NOT DILUTE. DRILL MIX ONLY. Pre-wet or protect all areas not be etched which may come in contact with product or rinse water.

Test Area: Always prepare a test patch prior to full application. This will indicate the time required for project completion and suitability of product for substrate.

Apply a thick, even layer of Eco-Etch™ as determined from your test patch, by brush or decorative/texture roller and fully cover the concrete surface. Etching will begin immediately. Allow applicable contact time. If contact time exceeds 15 minutes, then agitate with stiff broom, nylon brush, or back roll surface, to introduce unreacted Eco-Etch™ to the surface. Allow additional contact time as determined by test patch. Additional backrolling will increase the depth of the etch. Pressure wash or rinse with water while scrubbing with a stiff brush to neutralize and expose etched concrete surface. Pressure washing is the recommended method of removal or scrub and extract with floor machine.

Dwell Time: The time required to etch concrete depends on the type and age of the concrete. Most concrete will be etched within 20-40 minutes. Rinse the product off as soon as an adequate etch has been achieved. Longer contact times and additional agitation may be required for removal of sealers. Additional applications and contact time may be required for high strength concrete (above 4000 psi) Introduce more material if areas begin to dry.

Recoating: 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. Retest for adequate porosity prior to coating application. After sufficient drying time, ensure the surface is sufficiently dry and dust free prior to recoating in accordance with good painting practice and the coating manufacturer's instructions.

Removal: For small areas, wiping with a dry cotton cloth, followed by a warm or soapy water rinse can remove residue. For larger surfaces, the majority of the removal can be accomplished by using a nylon bristled push broom, floor squeegee or floor stripping machine, then washing the rest with running water through a regular hose. Eco-Etch™ can be removed with a mop, however low pressure rinse or mopping does not remove laitance or dust, and therefore scrubbing or dry vacuuming may be required to remove dust prior to recoating. For best results through a 1500-3000 PSI pressure washer.

Follow all safety precautions on the product label and MSDS. Keep away from children.