



Installation Guide

Tools & Supplies: Pressure washer, floor buffer w/black stripping pad, 60-grit sanding disc, commercial wet/dry vacuum, garden type pump sprayer, hard bristle deck brush, empty bucket, clean water, plastic sheeting, and masking tape.

Intended Use: Use for proper profiling of concrete for optimum penetration and bonding of stains, sealers, and coatings. Achieve a CSP-1 to CSP-2 surface profile on cementitious surfaces with correct application and dwell times.

Surface Preparation: All cementitious surfaces must be free of existing coatings, sealers or curing compounds. Test surface by applying a small amount of Eco-Etch Pro or GEL to the surface. If a light foaming action is present, it is effectively beginning to clean and etch the surface. If no foaming action occurs, remove foreign material by stripping with applicable chemical or mechanical stripping methods. Determine appropriate level of cleaning and etching required to establish adequate dilution level and dwell time. Heavy Cleaning & Etching: Concentrate to 1:1. Use concentrate for CSP-1 to CSP-2 profile. Medium Cleaning & Etching: 2:1 Light Cleaning & Etching: 3:1. Dwell time may vary between 1 minute to 10 minutes as can be determined by your test area. Be sure that you perform a water penetration test to observe good porosity. Water should immediately absorb within seconds and should not bead or puddle.

Application: Pre-wet the surface when working outdoors in hotter climates to prevent premature drying of the material. Apply a liberal and uniform coat of Eco-Etch Pro with a garden type sprayer or rollout Eco-Etch GEL with a textured roller cover, working in small sections to ensure the solution remains wet during the established dwell time. Remember, you must observe a foaming reaction. If no foaming is present, repeat surface preparation steps. Use a deck brush or floor machine with a black stripping pad to thoroughly distribute the material and to deep clean the surface area. Using a 60-grit disc in conjunction with etching is found to produce excellent results when profiling up to a CSP-2 level. After the dwell time, rinse or power wash the area with water to neutralize and to remove surface residue. Eco-Etch Pro and GEL are biodegradable and will not harm vegetation when neutralized with water. For indoor applications, simply rinse, and then use a wet vacuum to extract all liquid material and slurry. Removal of all concrete dust residue is critical when applying stains, sealers, or coatings prior to application. Re-clean as necessary.

Porosity Test: Once the surface area is completely dry, spray a little water on the surface to observe if the water immediately begins to absorb into the substrate. If beading or puddling occurs, ensure that you have sufficiently removed foreign materials that may exist that prohibits the etching process. Review steps, dwell time and dilution ratio. Repeat as necessary and rinse thoroughly. Allow the surface to completely dry prior to application of stains, sealers, or other coating materials.

Limitations: Note that calcium and lime must be present in the substrate for a reaction to occur. It is possible for some older slabs not to have enough content at the top of the surface for etching reaction to occur. In such cases, mechanical profiling is required to achieve an optimum surface for staining, sealing or coating. Surface film coatings Eco-Tuff, EcoFlorZ Color Sealer, or concrete microtoppings such Deco-Poz EcoBlend Concrete Microtopping may be a suitable alternative for a decorative finish.

