



Installation Guide

Tools & Supplies: High Volume Low Pressure (HVLP) Sprayer, Airless Sprayer w/#11 Tip, Low Speed Floor Buffer w/White & Black Pads, Pressure Washer, Commercial Wet/Dry Vacuum with Squeegee Attachment, Floor Fans. Garden-Type Pump Sprayer, 16" Floor Coating NylFoam Pad, NylFoam 6" Trim Pad, Microfiber Wet/Dry Mop, Stain Pads, Sponges. Misc. Items: SoyCrete 2 Oz Stain Sample, Eco-Etch Pro or GEL, Soy-It Degreaser, 18" Pad Applicator Tray, Masking Tape, Painters Tape, Clean Rags. Spray Bottle for Water, Shoe Covers or Spikes, Empty Buckets, Water Supply. Decorative Design Tools: Tape Measure, Chalk Line, Grout Line Tape, Concrete Scoring Saw, Stencils, Etc.

Intended Use: Properly prepared Concrete Walls & Floors, PreCast Concrete, Concrete Countertops, Masonry Block & Pavers, Fiber Cement & more.

Surface Preparation: Surfaces must be porous for proper penetration. Test the surface in all areas within each pad or foundation sections for porosity by spraying a light water mist over the project area. If the water soaks in within seconds in all areas, you should have sufficient porosity and are ready to perform your stain sample test area. If your water test beads on top of the surface or penetrates very slowly, you either have a non-porous hard troweled surface or you may have oil, sealer, cure-n-seal, hardener or other substance that prohibits penetration. Pay special attention to edges of concrete slabs which tend to be denser or contain form release agents that were used to remove the forms during construction which could be a bond breaker. If all sealers and residues have been thoroughly removed, you may open the pores of the surface by sanding, 50 grit diamond grinding, and/or use our non-hazardous concrete etch and clean solution (Eco-Etch Pro or GEL™) to create a CSP-1 surface profile for maximum penetration and desired results. If the surface is not stainable, consider using our Deco-Poz™ Microtopping Resurfacer to create a new decorative concrete canvas.

Application: After you have performed your initial surface preparation steps, test a small area for color and porosity observation using our SoyCrete™ 2 ounce sample jar prior to full project installation. This small test will save you time and effort if you find that color modification or additional porosity is required. Apply your test stain, by using a sponge or stain trim pad and rub into the surface until all marks and surface material is clearly spread within the concrete surface. Do not allow puddling or topical stain to remain on the surface. Avoid oversaturation to prevent leaving a topical film. Allow the stain to dry for about 30 minutes. Use a small fan to help accelerate the dry time for better visual evaluation. After the dry time, wipe the stain with a lint free cloth or your fingers. If the stain comes up easily and exposes the concrete, there was no penetration, repeat or follow surface preparation procedures. If very little or no stain residue came up, you may proceed with your application. If you are uncertain as to what you are witnessing, call Eco Safety Products for assistance.

Mask areas not intended to be stained. If applying advanced design patterns or stenciling, measure and mark pattern design placement with applicable tape or chalk lines.

Pump Sprayer Application: Use a high quality pump sprayer, 90+ psi works best. Inspect all seals and nozzles prior to use. Spray SoyCrete™ in manageable sections in a uniform pattern and avoid excess puddling. Depending on the texture and porosity level of the surface, use the appropriate applicator to work all topical material into the surface. Use a NylFoam pad, microfiber mop, soft/medium bristle brush, or floor buffer with white pad to work all topical material into the substrate. Temperature and working conditions will create variables to be considered. Lightly spray mist with water to rework the stain into the substrate if has begun to dry on the surface. Always work in small sections to remove any lapmarks or streaks before proceeding to the next section.

HVLP Sprayer Application: Set to a fine spray. If using a PSI regulated compressor, find the optimum pressure between 20-50 psi for a fine mist spray. Apply in a thin even pattern and avoid puddling. If puddling or spotting occurs, rub the stain puddles into the surface using a pad applicator. You may also use a Floor Buffer with a light to medium pad as a design tool and to enhance distribution or manipulation of the stain. To help loosen the applied stain, simply spray lightly with water as you move the floor machine over the area. This technique will also create a reverse pull of color for more enhance variations.

Airless Paint Sprayer: Use a #11 fine tip for optimum atomization of the spray and to help avoid oversaturation. Apply in a thin even pattern and avoid puddling. If puddling or spotting occurs, rub the stain puddles into the surface using a pad applicator. You may also use a Floor Buffer with a light to medium pad as a design tool and to enhance distribution or manipulation of the stain. To help loosen the applied stain, simply spray lightly with water as you move the floor machine over the area. This technique will also create a reverse pull of color for more enhance variations.

Wet/Dry Microfiber Mop/NylFoam Pad: Pour SoyCrete™ in a large 18" paint tray and saturate pad evenly. You may also pour small amounts of SoyCrete™ on the surface to create a pool of material when working in small sections. Saturate the pad in the pool of material, and quickly begin mopping back and forth and in circular motions in 3'-4' passes to work all material into the surface eliminating all lap marks. Spread the material as far as it will go. You are almost working it in dry. When working in larger areas, simply pour SoyCrete™ on the surface to create your wet edge pass, saturate the pad evenly with the material, and then begin mopping to work all material into the surface. Pouring SoyCrete on the surface in large areas should only be done by experienced installers. You must work quickly within the conditions and temperature while have water on hand in case of premature drying.

If you want to create multi-tone effects, apply your base color, and then apply accent colors to blend as desirable. Applying your accent colors while your base coat is still wet will create more blends, while applying accent colors to a dry base coat will provide more noticeable color separation. When dealing with multiple colors, always be aware of the porosity limitations.

If you are using our Tint Base with colorant packs, each colorant pack is premeasured for each one gallon of Tint Base. To achieve a lighter color, pour less than the full contents into the Tint Base. To achieve a darker color, you may use up to two colorant packs per each color. You may also create your own custom color by blending different colorant packs, but never exceeding 7% colorant to Tint Base.

Drying Time/Curing Time: SoyCrete™ will generally dry to the touch within 1 hour depending on environmental conditions. Colder climates and high humidity will prolong drying times. Hot or sunny outdoor exposure will accelerate drying. SoyCrete™ requires approximately 2-4 hours drying prior to applying one our finish sealers or clearcoats. Return to service is typically within 12 hours and full chemical cure is 3-5 days.

