

SoyCrete Concrete Stain & Sealer Installation Guide



STEP 01

PLANNING/TEST

Proper planning will save you time, money, and help you achieve a beautiful new decorative concrete project that can last a lifetime.

1. Measure the project area to estimate the total amount of material that may be required for the project.

2. Inspect the surface for damage, bond breakers such as existing coatings, sealers, concrete curing compounds, oils, grime, etc. or other foreign elements that may show through the stain. This step will determine further surface preparation options to consider.

3. Always plan on etching new or old concrete. Etching will ensure all loose concrete is removed and will open concrete pores for maximum penetration of the stain. It will allow more color flexibility while significantly increasing durability of the stain.

4. Decide on your color(s), desired sheen level, and the type of surface protection desired. Semi-transparent stain colors will vary depending on the concrete so if color is important, please test an inconspicuous area with a 2 oz sample jar before ordering project size quantities.

5. Typical DIY project schedule: Day 1 is for surface preparation. Day 2 is for staining. Day 3 is for sealing and clean up. This general timeline will vary depending on manpower, experience, and tools available.

Be sure to schedule around weather conditions and recommended temperature range.

STEP 02

TOOLS/MATERIALS

Mechanical Tool Options:

Garden-Type Pump Sprayer, High Volume Low Pressure (HVLP) Sprayer w/ .80-1.3mm Tip, Airless Sprayer w/ #10-11 Tip, Low Speed Floor Buffer w/ White & Black Pads, Pressure Washer, Commercial Wet/Dry Vacuum with Squeegee Attachment, Floor Fans, Heater.

Manual Tool Options:

16" Floor Coating NylFoam Pad, NylFoam 6"-10" Trim Pad, Microfiber Wet/Dry Mop, Stain Pads, Sponges, Rags.

Miscellaneous Items:

1. Color Test Samples:

SoyCrete Stain & Sealer 2 Oz Stain Color Samples.

2. Surface Preparation Materials:

a) **Stripping:** EcoFast HD Liquid or GEL Paint Stripper.

b) **Etching:** Eco-Etch™ Pro Etcher & Cleaner.

c) **Degreasing:** EcoFast Cleaner & Degreaser.

3. Application Supplies:

18" Pad Applicator Paint Tray, Masking Tape, Delicate Surface Painters Tape, Spray Bottle(s) for Water or Accent Colors, Shoe Covers or Shoe Spikes, Empty Buckets, Water Supply.

Decorative Design Tools: Tape Measure, Chalk Line, Reinforced Grout Line Tape, Concrete Scoring Saw, Stencils, Etc.

STEP 03

SURFACE PREP

Bare Concrete: A minimum concrete surface profile should be at a (CSP-1) level by chemical etch using (EcoEtch Pro™) or with a 50-100 grit diamond grind. Profiling bare concrete will provide optimum stain penetration and durability. The better the profile for absorption, the greater the penetration and integral bond.

Water Test: Spray water on the surface to confirm if immediate darkening and absorption occurs before staining. Do not proceed without immediate water penetration and visible darkening of the concrete. This is the single most important step in the staining process to ensure success. Contact our office for assistance when in doubt.

Previously Stained Concrete: Test an inconspicuous area for compatibility and color acceptance. At a minimum, it is recommended to sand using a 36 - 180 grit sanding disc to degloss and create some surface profile to enable topical bonding. Thoroughly clean all residue prior to staining.

Fiber Cement: Powerwash or scrub to remove all fabrication dust, dirt, or stains. If applying over an oil based paint or stain, you must sand and clean the surface. All glossy surfaces must be mechanically sanded or chemically deglossed. Test a small area to confirm compatibility and acceptance prior to project implementation.

Masonry Block & Pavers: Thoroughly clean all contaminants. Test an inconspicuous area for compatibility and color acceptance.

STEP 04

APPLICATION

Stir mix or shake contents well to make sure no pigments have settled to the bottom of the container.

Applicator: Use a pump sprayer (garden type), HVLP, or airless sprayer (.011-.013 spray tip). You may dilute the stain with clean water up to 10% (12 oz/gal) to adjust spray flow conditions. When using a pump sprayer, apply in a circular motion and in small sections, typically 4' x 4', then work quickly to feather edges with a 3/8" nap roller or pad applicator to achieve a uniform appearance. Do not leave a lap line to dry before proceeding. Test a small area to determine the best application method for your application.

Apply a minimum of two (2) coats for best color appearance and optimum sealing. Always be sure the first coat is completely dry before applying the final coat. Spread rates will vary depending on the surface texture, porosity and texture of surface.

Dry Time & Cure: Dry time to touch is typically within 30 - 60 minutes depending on environmental conditions. You may return to light foot traffic after 12 hours, however use caution during the full cure period which is 3-7 days.

STEP 05

TOPCOAT OPTION

SoyCrete Concrete Stain & Sealer is self sealing and imparts a matte to satin finish depending on the texture of the surface being stained.

However, if you wish to increase the sheen level or add additional film barrier protection, you may choose the following topcoat options:

1. EcoPoly Clear Finish & Sealer (formerly EcoFlorZ) is a thin film bio-polyurethane sealer that provides enhanced chemical and stain resistance with water beading functionality that is available in a matte, satin, or gloss sheen option. You may apply this as your second coat if you are happy with the color.

2. Eco-Tuff Clearcoat is a high solids bio-polyurethane coating used as an epoxy or polyurethane alternative where high traffic, weathering, non-yellowing, and high abrasion protection is desired. Select this high solids topcoat finish when optimum film build barrier protection is desired. Available in a matte or gloss sheen.



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