

# SoyCrete Concrete Stain 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 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.

**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 CONTENTS BEFORE EACH USE.

**Manual Application:** Use a 6" to 16" Nylon foam stain pad applicator and paint tray. You may also distribute the stain with a pump sprayer then work in the stain with a stain pad or microfiber mop. Work the stain into the substrate in small sections removing any streaks or topical material before proceeding to the next section. **DO NOT LEAVE A TOPICAL FILM. DO NOT ROLL ON. SOYCRETE IS NOT A PAINT.**

**Sprayer Application:** Use an HVLP (.80 - 1.3mm), or airless sprayer (.011-.013 spray tip). You may dilute the stain with clean water up to 15% (19 oz/gal) to adjust flow conditions.

**Dry Time & Cure:** Dry time to touch is typically within 30-60 minutes, depending on environmental conditions. You may use a floor buffer with a white buffing pad instead of a pad applicator to expedite dry time to achieve a faster streak free application and quick return to service.

Full chemical cure is 3 to 5 days depending on environmental conditions. You may return to light foot traffic after 4 hours if installed correctly and is tack free, however you must use caution during the full cure period.

*Note: Never apply tape directly to an installed coating or stain.*

## STEP 05

### TOPCOAT OPTION

**SoyCrete Penetrating Concrete Stain** is a non-film forming stain and will not change the surface friction for a durable natural matte finish that will never flake or peel. To maintain efficacy and increase the life of your stain, we recommend sealing the stain and perform regular maintenance cleaning:

**1. Acri-Soy Penetrating Sealer:** A water repellent non film forming natural matte sheen.

**2. EcoPoly Clear Finish & Sealer** (formerly EcoFlorZ) is a thin film bio-polyurethane sealer that provides enhanced chemical and stain resistance. Available in a matte, satin, or gloss sheen option.

**3. Eco-Tuff Clear Coat** 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.



**Eco Safety Products**

2921 W. Culver Street, #4B  
Phoenix, Arizona 85009 U.S.A.  
T: (602)305-9397 E: info@eco-safety.com