

# Acri-Soy Penetrating Sealer Installation Guide



## STEP 01

### PLANNING/TEST

Proper planning will save you time, money, and help you achieve a natural protective seal.

**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, wood tannins, oils, grime, etc., or other foreign elements that may prohibit sealer penetration. 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 sealer. For wood, sand as appropriate to remove existing coatings or sealers.

**4.** Make sure you allow sufficient dry time before starting your project.

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. Sealer Test Samples:

Acri-Soy 2 Oz Sealer Samples

##### 2. Surface Preparation Materials:

**a) Stripping:** EcoFast 100 HD Liquid or 100G GEL Paint Stripper.

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

**c) Degreasing:** EcoFast 500 Cleaner & Degreaser.

##### 3. Application Supplies:

18" Pad Applicator Paint Tray, Masking Tape, Delicate Surface Painters Tape, Plastic Sheeting, Shoe Covers or Shoe Spikes, Empty Buckets, Water Supply.

## STEP 03

### SURFACE PREP

Surfaces must be porous for proper penetration. Test the surface in all sections for porosity by spraying a light water mist on the project area. If the water soaks in within seconds and the surface darkens, you should have sufficient porosity and are ready to perform your sealer 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 a concrete slab which tend to be more dense or contain form release agents that were used to remove the forms during construction which will be a potential bond breaker.

If all existing coatings, sealers, and residues have been removed, you may open the pores (profile) the surface by sanding, 30-60 grit diamond grinding, and/or use our non-hazardous organic acid etch and cleaning solution (Eco-Etch™ Pro) to remove efflorescence while creating a CSP-1 surface profile for optimum penetration and long term durability.

If applying a maintenance recoat over Acri-Soy, it is not necessary to strip before applying a new coat. To determine when to refresh your sealer, repeat the water test above. If water penetrates, apply your maintenance coat.

## STEP 04

### APPLICATION

Stir mix the sealer before use.

**Mechanical Applicator:** Distribute the sealer with a pump sprayer, then work the sealer into the surface with a microfiber mop, 16" wood block pad applicator, or a floor buffer with a white pad for speed and ease.

When using an HVLP sprayer, or an airless sprayer (.010 - .012 spray tip), the fine atomization will not require working in the sealer, but do work in or backroll any surface puddling that may occur.

**Manual Applicator:** Use a 16" wood block applicator with a foam pad, loading the pad with sealer in an 18" paint tray, then blotch the excess. **Concrete:** Work the sealer into the concrete using a circular motion in small manageable sections, typically 4' x 4'. Work quickly to feather edges with the pad applicator, microfiber mop or a floor buffer to mechanically buff in the sealer. Work out any streaks or lap lines before proceeding to the next section. Do not roll or apply like a paint. **Wood:** Use a 7" Trim Pad for deck planks or 16" applicators for wood floors. Work the sealer back and forth as you proceed to eliminate surface puddling.

**Dry Time & Cure:** Dry time to touch is typically within 30 - 60 minutes depending on environmental conditions. Perform a quick water test after 1 hour to determine if a second coat is necessary. 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

### MAINTENANCE

**Acri-Soy Penetrating Sealer** is a water and stain repelling sealer that is non-film forming and will not change the sheen or surface friction for a durable natural matte finish that will never flake or peel. To maintain efficacy and increase the life of your sealer, perform regular maintenance cleaning:

**Cleaning:** Damp mopping is the most economical and eco-friendly. Use water and a microfiber mop.

**Degreasing:** For heavier duty cleaning when there is soil build up, use our pH neutral, non-toxic, EcoFast 500 All-Purpose Cleaner/Degreaser. *Never use alkaline or acidic cleaners on floor finishes as these types of cleaners will wear away the finish prematurely.*

**Recoats:** To determine if you need to refresh your sealer, perform the water test as previously instructed. If water penetrates, apply your maintenance coat.

**Topcoat Options:** If at anytime you wish to change the surface sheen and protection type, you may apply our EcoPoly Polyurethane Sealer or Eco-Tuff Polyurethane Clear Coating over Acri-Soy. These topical finishes are available in Matte, Satin, or Gloss finish options.

