



# Acri-Soy™

Penetrating Clear Sealer

SMARTER CHEMISTRY. PERFORMANCE ENGINEERED.™

## Installation Guide

**Tools & Supplies:** Mechanical Equipment: Pressure Washer, Floor Buffer with White, Red and Black Pad, Commercial Wet/Dry Vacuum, High Volume Low Pressure (HVLV) Sprayer, Airless Paint Sprayer w/#11 Tip, or Pump Sprayer. Manual Applicators: 18" T-Bar Heavyweight Floor Coater, Microfiber Mop, 16" NylFoam Pad Applicator, 18" Paint Tray, 1/2" - 3/8" Lint Free Roller. Misc. Supplies: Plastic Sheeting, Painters Tape, Mop & Bucket, Clean Rags.

**Intended Use:** Properly prepared, clean and dry; Concrete, Masonry, Wood, Stucco, Plaster, Fiber Cement, Adobe, Brick Pavers, Natural Stone, Unpolished Tile, Tile Grout, and more.

**Surface Preparation:** Proper surface preparation is critical to a successful long term and beautiful installation. Surfaces must be clean, free of bond breakers and 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 begin the project. If your water test beads on top of the surface or penetrates very slowly, you either have a non-porous hard trowelled surface or you may have oil, sealer, cure-n-seal, hardener or other substance that is prohibiting penetration. If this is the case, you must strip all bond breakers prior to proceeding. Etch & Clean- After stripping any bond breakers, we recommend using our organic Eco Etch Pro or GEL to open up pores on concrete substrates to increase porosity and to effectively deep clean the surface prior to sealing. Having a surface profile of CSP-1 is optimum for the longest durability and performance.

**Application:** If applying Acri-Soy over an existing stain system other than SoyCrete, be sure to test for compatibility and follow all manufacturer dry time instructions. Most applications will require only a single coat. It is recommended to install a minimum of 2 coats for automotive and high traffic areas for maximum protection. Allow approximately 1 hour intercoat dry time between sealer coats. Do not apply Acri-Soy over a topical stain system and do not over apply Acri-Soy to the point of leaving a topical film.

Always perform sample tests using your desired method to determine repeatable spray techniques, strokes, rolls, etc that delivers the applicable amount of material without puddling or over saturating the substrate. Start from your farthest point working toward your exit path moving right to left or left to right.

**HVLV Sprayer-** Adjust to a fine mist spray that delivers a uniform and puddle free application. If puddles occur, simply back roll with a 3/8" nap roller or work material into the substrate with a microfiber mop.

**Airless Paint Sprayer-** Use a fine finish tip, #11 at a fine setting to create appropriate mist application. If puddles occur, simply back roll with a 3/8" nap roller or work material into the substrate with a microfiber mop.

**Heavy Duty Commercial Pump Sprayer-** Set to a fine spray and apply in 3' pattern. Back-roll with a 3/8" nap roller to eliminate all topical material or use a microfiber mop to work material into the substrate.

**16" NylFoam Pad Applicator-** Pour Acri-Soy into an 18" Paint Tray. Evenly saturate pad then apply in 3' wide passes in a thin even coat to ensure that you avoid creating puddles. Work the material into the substrate eliminating all puddles.

**18" Heavyweight T-Bar Floor Applicator-** Pour Acri-Soy in a straight line along a starting wall or line. Angle the T-Bar slightly as you walk pulling the T-Bar. The weight of the bar will distribute the sealer in a thin coat while moving excess away from the path for your return pass creating a 3-4" pattern. Once establishing a 3-4' strip, use the T-Bar or roller to work the material into the substrate at a 90° cross pattern. Do not leave puddles or signs of lap marks.

**Dry Time & Curing Process:** Allow Acri-Soy to dry for approximately 1 hour or until completely dry if applying a second coat. The surface may be suitable for normal foot traffic within 8 hours. Full curing of the installation is approximately 3-7 days depending on environmental conditions. Avoid accumulation of standing water or washing with chemical detergents during the curing period. After successful installation and dry time, perform a light water test in a sample area. If the surface darkens and water penetrates readily, apply an additional coat as needed.

**Basic Troubleshooting:** White Residue- We recommend shutting off all irrigation that may affect an outdoor installation during the curing period. Avoid installation of Acri-Soy during rainy forecasts for outdoor installations. If Acri-Soy is subjected to standing water before the full chemical cure, it is possible to witness a white milky substance. If this occurs, simply allow it to dry and reabsorb into the surface naturally. Wiping or cleaning this substance will remove the uncured Acri-Soy. Should this happen, simply re-apply Acri-Soy to the affected area. Residue that occurs weeks or even months after the standard cure time, is often a sign of insufficient porosity of the substrate or over application. If Acri-Soy dries topically, it can reactivate when exposed to water. If this is the case, you must strip the topical layers by using a scrub pad or floor buffer with a medium coarse to coarse pad. After removing the topical layers, spray mist the area with water to ensure that the moisture repellency has not been reduced.

**Sealer Care:** Cleaning during the cure period may consist of sweeping, dry microfiber mop or light damp microfiber mop methods. Standard maintenance cleaning requires only the use of water and/or neutral floor cleaner such as diluted Soy-It Degreaser Concentrate. We recommend the use of microfiber wet/dry mops for smooth surfaces or light powerwash for exterior surfaces. Inspect the sealer for effectiveness every 1-2 years or as needed to extend the life and beauty of your substrate surface. Exterior exposure to harsh environments and snow may require more frequent inspection. Due to our innovative penetrating technology, spot repair and/or recoats may be performed without the need for stripping unlike competitive brands.



**Eco Safety Products**  
Smarter Chemistry. Performance Engineered.  
Phoenix, Arizona U.S.A.  
Tel: (602)305-9397  
www.ecosafetyproducts.com



Made in the USA