

# TimberSoy Poly Wood Stain & Sealer Installation Guide



## STEP 01

### PLANNING/TEST

Proper planning will save you time, money, and help you achieve a beautiful new wood stain project.

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, tannins, oils, grime, etc. or other foreign elements that may show through the stain. This step will determine further surface preparation options to consider.
3. Know the texture or conditions that will impact color when applying a semi-transparent stain. To ensure uniform color and surface density, plan to sand to achieve the desired finish.
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 Pads Sanding Screens, 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:** TimberSoy Stain & Sealer 2 Oz Stain Color Samples.
2. **Surface Preparation Materials:**
  - a) **Stripping:** EcoFast HD Liquid or GEL Paint Stripper.
  - b) **Degreasing:** EcoFast Cleaner & Degreaser.
3. **Application Supplies:** 18" Pad Applicator Paint Tray, Masking Tape, Delicate Surface Painters Tape, Spray Bottle(s) for Water, Shoe Covers, Empty Buckets, Water Supply.

## STEP 03

### SURFACE PREP

All surfaces must be properly prepared to be free of bond breakers such as dust, dirt, debris, oils, etc. Allow the substrate to thoroughly dry before application. Ensure the water content is below 15% for best results.

**Note:** Semi-transparent wood stain colors are not intended to hide substrate imperfections and if applying over previous colors, the final color will be affected.

**Bare Wood:** Sand imperfections and remove contaminants, stains, or finishes with a 40-60 grit sandpaper. For lighter preparation or to smooth the surface after coarse sanding use 120-220 grit. Use 320 to 600 grit for fine finishing.

**Previously Stained or Painted Wood:** Test an inconspicuous area for compatibility and color acceptance. Some oil-based products may not be compatible. Always sand before testing for better bonding.

## STEP 04

### APPLICATION

#### STIR CONTENTS BEFORE EACH USE.

Apply when surface is completely dry and ambient temperatures are between 40° - 95° F @ <80% RH.

For best results, apply two coats. The first coat will penetrate and bond. The second coat will enhance the color and sealing protection. A third coat will darken more if desired. You may lightly sand with a fine grit between coats for the desired finish. Always remove dust prior to stain application.

**Manual:** Use a Nylon foam stain pad applicator, stain rag, or brush. Work out any brush or pad streaks and puddled topical material before it dries and before proceeding to the next section.

**Spray:** Use an HVLP (.80 - 1.3 mm), 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.

**Dry Time & Cure:** Dry time to touch is typically within 30-60 minutes, depending on environmental conditions. Full chemical cure is 3 to 5 days depending on environmental conditions. You may return to light foot traffic after 4 hours, however use caution during the full cure period.

**Clearcoat Finish Alternative:** If you wish to change the sheen level or if you are satisfied with the color result of one coat of the Poly Stain & Sealer, and/or wish to enhance protection, you may apply our other topcoat options.

## STEP 05

### TOPCOAT OPTION

TimberSoy Wood 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, satin, or gloss sheen.



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