

Eco-Tuff Floor Coating Installation Guide



STEP 01

PLANNING/TEST

Proper planning will save you time, money, and help you achieve a long lasting durable floor coating.

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 coating penetration. This step will determine further surface preparation options to consider.
3. Always plan on etching new or old bare concrete. Etching will ensure all loose concrete is removed and will open concrete pores for maximum penetration of the floor coating. 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: Airless Sprayer w/#.011-.015 Tip, HVLP Sprayer (1.0 -1.3mm spray tip), Low Speed Floor Buffer w/Black Pads, Sanding Discs, Pressure Washer, Commercial Wet/Dry Vacuum with Squeegee Attachment, Floor Fans, Heater.

Manual Tool Options: 3/8" - 1/2" Roller Cover, Squeegee Applicator, Paint Brush.

Miscellaneous Items:

1. **Floor Coating Test Samples:** Eco-Tuff Floor Coating 2 Oz 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:** Paint Tray, Masking Tape, Delicate Surface Painters Tape, Plastic Sheeting, Drop Cloth, Shoe Covers or Shoe Spikes, Empty Buckets, Water Supply.

STEP 03

SURFACE PREP

All surfaces must be profiled and properly prepared to be free of all bond breakers such as dust, dirt, debris, oils, lattince, form release, and previously installed sealers, coatings, etc. Allow the substrate to dry.

CONCRETE: A concrete profile must be at (CSP1 to CSP3) by chemical etching with (EcoEtch Pro), 30 - 50 grit diamond grind, or media blast for optimum coating durability and/or desired texture. Moisture vapor transmission levels should be below 4 lbs per 1,000 square feet over a 24 hour period.

WOOD: Sand imperfections and/or remove contaminants, sealers, coatings, etc., with 60-grit sandpaper. Inspect wood for tannin bleed and chemical leaching from unknown reclaimed or pressure treated wood. Clean thoroughly and allow to dry. Moisture levels should be below 14% to allow proper penetration and bonding.

FIBERGLASS: Sand substrate to create a profile for coating adhesion. Clean to remove all bond breakers.

PRIMED METAL: Sand existing coating to create a profile for optimum bonding. Clean to remove all bond breakers.

PRECAUTION/TIPS: Very porous and old substrates may require a primer coat to fill pores, add stain blocking, and create better intercoat adhesion.

Never apply tape directly to an installed coating or stain.

STEP 04

APPLICATION

COVERAGE: 300-400 sq.ft. per gallon. Spread rates and coverage will vary depending on surface porosity and application method. Full chemical cure is 3 to 5 days depending on environmental conditions. **DRY TIME:** Typical 30 - 60 minutes depending on temperature. **FULL CURE:** 5 - 7 days. **INSTALLATION TEMPERATURE:** 45°F - 95°F. Delay installation if rain is in the forecast within 24 hours. **NOTE:** Do not apply directly to unprimed metals as flash rust may occur.

Apply either the Eco-Tuff Quick Prime or Primecoat Primer. Apply the coating within 24 hours of primer installation. Drill mix contents before each use with a "Jiffy" type mixing blade. Use a high quality 3/8" - 1/2" lint free nap roller, or airless sprayer (.013-.017 spray tip). You may dilute only when necessary with clean water at no more than (12 oz per gallon) to adjust flow conditions. Use a hopper spray or our Foam Textured Roller for pre-mixed rubber additive, sand, or glass powder applications. For best results, apply a minimum of two coats at 3 wet mils and no more than 6 wet mils each for effective dry film build.

NON-SKID & DECORATIVE ADDITIVES: Broadcast non skid or decorative additives during the first coat when wet. Remove loose aggregates when dry, then apply the tinted base or Eco-Tuff Clear Coat as the final coat to encapsulate the aggregate. Add a second clear topcoat for high traffic areas. Intercoat dry time is typically within 1 hour and may be topcoated when tack free. Cooler or high humidity conditions will extend dry time.

STEP 05

MAINTENANCE

Eco-Tuff Floor Coating is a water and stain repelling coating. To maintain durability and increase life span, keep your coating clean with regular maintenance. Allow a minimum of 14 days prior to using copious amounts water during cleaning if possible.

Cleaning: Push broom or sweep loose or foreign contaminants, air blow or suction vacuum. Damp mop with clean water. If exterior water cleaning is desired, use a standard spray hose nozzle or pressure washer. Use a floor cleaning attachment if possible. Never use high stream nozzle.

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: If touch up, spot repair, or recoat is necessary, lightly sand and clean the area prior to recoat.

Topcoat Option: If at anytime you wish to change the surface sheen or enhance protection apply our EcoTuff Clear Coat that is available in Matte, Satin, or Gloss sheen options.

