

Eco-Tuff I.R. Deck Coating Installation Guide



STEP 01

PLANNING/TEST

Proper planning will save you time, money, and help you achieve a long lasting durable deck 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 deck 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/#.015-.019 Tip, Low Speed Floor Buffer w/Black Pads, Pressure Washer, Commercial Wet/Dry Vacuum with Squeegee Attachment, Floor Fans, Heater.

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

Miscellaneous Items:

1. Deck Coating Test Samples:
Eco-Tuff Deck 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, laitance, and previously installed coatings.

CONCRETE: A concrete profile must be a minimum of (CSP1) achieved by chemical etching with Eco-Etch Pro, 30-100 grit diamond grind, or media blast for optimum coating system durability. Moisture vapor levels should be below 4 lbs per 1,000 sq.ft. over a 24 hour period. If levels exceed this threshold, you may want to apply a compatible moisture vapor barrier.

WOOD: Sand imperfections and remove contaminants, sealers, coatings, etc., with 60-80 grit sandpaper. Inspect wood for tannin bleed and chemical leaching. Apply Eco-Tuff Primecoat if the surface requires additional stain blocking. Moisture levels should be below 12% to allow proper penetration, bonding, and curing.

FIBERGLASS: Sand the substrate to create a profile for coating adhesion. 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: 200 - 300 square feet per gallon depending on porosity, film build, and application method.

INSTALLATION TEMPERATURE: 45° F - 95° F. Delay installation if rain is in the forecast within 24 hours.

Apply the coating within 24 hours if a primer coat was applied. Drill mix contents before each use with a "jiffy" type mixing blade. Use a high quality lint free 3/8" - 1/2" nap roller, foam textured roller, or airless sprayer (.015 - .019 spray tip). You may dilute only when necessary with clean water at no more than (12 oz per gallon) to adjust flow conditions. For best results, apply a minimum of two coats at 6 wet mils and no more than 8 wet mils per coat, for an effective dry film build.

If you desire a satin or gloss level sheen or just want an additional protective barrier, you may topcoat with Eco-Tuff Clear Coat to reach your desired finish sheen. Intercoat dry time is typically within 1 hour and may be topcoated when completely tack free. Cooler temperatures or high humidity will extend dry time. Spread rates and coverage will vary depending on surface porosity, film build, and application method.

Full chemical cure is 3 to 7 days depending on environmental conditions. Return to service with light foot traffic within 24 hours.

STEP 05

MAINTENANCE

Eco-Tuff Deck Coating is a water and stain repelling with anti-fade IR pigments. To maintain efficacy and the benefits of the UV reflectivity, 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. If 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 refresh coat is necessary, lightly sand and clean the area prior to recoat.

Topcoat Options: If at anytime you wish to change the surface sheen, color, or enhance protection, you may apply our Eco-Tuff Floor Coating or Clear Coating over the deck coating. The clear finishes are available in Matte, Satin, or Gloss sheen options.

