

# EcoTuff Floor Coating Product Data Sheet



## Description

Eco-Tuff™ Floor Coating is an advanced one component non-toxic self sealing hybrid bio-polyurethane coating formulated to deliver outstanding abrasion, moisture, UV, and weathering resistance. Our hard wearing bio-based polyurethane coating is a preferred high performance replacement for hazardous epoxies, polyurethanes, and lower performing acrylics. It is uniquely hard for excellent abrasion resistance yet has the ideal breathability and resiliency to provide a longer lasting durable barrier with superior resistance to cracking or peeling. Eco-Tuff™ Floor coating is tintable to (12) standard high strength colorfast colors or with our optional anti-fade infrared reflective (I.R.) pigments. It is the best floor coating used for high traffic decorative concrete, non-skid, and wood deck coating applications. It is formulated for interior or exterior use.

Our proprietary plant oil emulsion technology, which has the same or higher solvency power than mineral spirits, allows us to replicate petrochemical performance characteristics with common sense alternatives, but without compromising safety or costs. We are able to effectively blend various toxin free resins, bio-polyurethanes, and performance additives, then crosslink them for optimum resistance against abrasion, chemical, water, UV, weather, and hot tire pickup.

Eco-Tuff™ may be used with decorative metallic pigments, mica flakes, color chips, or use our clear 80 mesh glass powders and recycled rubber to impart a barefoot friendly non skid texture. Create beautiful decorative and non-slip safety coatings.

## Intended Uses

For new, old, unsealed concrete, wood, or masonry that has been properly cured, filled, or repaired. Remove all bond breakers. Prepare for coating by acid etching (Eco-Etch Pro), diamond grinding/shot blasting to a CSP-1 to CSP2 to open up pores for optimum penetration and bonding. Prime porous surfaces with EcoTuff Primecoat Primer.

**Concrete Floors • Walkways • Garage Floors • Wood Decks  
Marina Docks • Boat Decks • Pool Decks • ADA Ramps**

**LIMITATIONS:** Do not apply when surface temperatures are below 45° F or if humidity is above 80%.

## Performance Features

- Water & Moisture Repellent
- Breathable Chemistry
- Chemical Resistant
- Abrasion & Scratch Resistant
- UV Resistant
- Multi-Surface Application
- 30-60 Minute Dry Time
- Soap & Water Cleanup

## Green Building & Sustainability Features

- CDPH 2.1 VOC Emissions
- LEED v4 Transparency Report
- HPD Transparency Report
- Renewable Resource Content
- Recycled Content Material
- Produced in AZ, USA
- No Red List Chemicals
- Qualifies for CHPS

## Technical Product Information

### APPLICATION TOOLS & EQUIPMENT:

**Protection:** Gloves, safety glasses, shoe covers, plastic sheeting, rosin paper, delicate surface painters tape, rags, etc.

**Manual Applicator Choices:** 3/8" - 1/2" Nap Lint Free Roller, High Quality Brush, Lightweight T-Bar Applicator.

**Mechanical Applicators:** Airless Sprayer w/.013-.017 tip or Hopper Sprayer for Texture or With Integral Aggregate.

**SHEEN LEVEL:** Flat (< 5 GU). To increase gloss level, topcoat with EcoTuff Clearcoat Gloss

**COLORS:** Choose from (12) beautiful high strength colorfast colors or our optional anti-fade infrared reflective (I.R.) colors.

**OUR INGREDIENTS & SUPPLY CHAIN PROCESS:** A Commitment to Sustainable Chemistry.

ESP evaluates and screens every raw material using a third party service partner comparing ingredients against the most current GreenScreen® and Red List Chemical databases prior to launching any R & D product development project. Additionally, every supplier agrees to participate in our full ingredient transparency program to ensure every ingredient they use in their material down to a minimum of 1,000 ppm, can be screened, then submitted for a LEED v4, Health Product Declaration (HPD), and other "Green Building" program reports.

### TECHNICAL DATA:

**Chemical Type:** Bio-Based Polyurethane & Bio Emulsion Resins

**Pigment Type:** Bio-Based High Strength & I.R. Colorants

**Typical Coverage:** 250 - 350 Square Feet Per Gallon  
(The coverage rate will vary depending on surface texture, porosity, and the volume of the material applied.)

**Typical Dry Time:** 30 - 60 Minutes

**Installation Temperature:** 45° F - 95° F < 80% Humidity  
(Ambient & Surface Temp.)

**Drying Methods:** By Evaporation, Forced Heat or Forced Air Will Accelerate Drying

**Viscosity:** 121 KU +/- 3

**Bio-Based Content:** < 15%

**VOC Content:** 0 Grams/Liter

**For Technical Assistance:**  
Contact your retailer or call  
(602) 305-9397

**Store at room temperature. Keep  
from freezing or extreme heat.**



**Eco Safety Products**

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