

# EcoTuff I.R. Deck Coating Product Data Sheet



## Description

Eco-Tuff™ Deck Coating is an advanced non-toxic one component self sealing hybrid bio-polyurethane deck coating incorporating our proprietary bio-based emulsion resin technology to deliver outstanding abrasion, chemical, UV, and weather resistance. It is a breathable, uniquely hard yet resilient tintable solid color coating that is colored with our Eco-Color Anti-Fading Infrared Reflective (I.R.) Pigments to deliver years of colorfast durability. By using the I.R. pigment chemistry, it not only offers unmatched UV protection, it reflects UV rays that will lower the temperature of darker colors compared to traditional pigments. This high performance pigment also increases chemical resistance to compliment the inherent chemical resistance of our bio-polyurethane. To top off the list of the best deck coating features, we incorporate a lightly textured barefoot friendly recycled non skid aggregate for extra traction and safety.

We utilize our proprietary natural plant oil emulsion technology, that has the same or higher solvency power than mineral spirits, which allows us to replicate petrochemical performance characteristics without compromising health, safety, or costs. We are able to effectively blend these natural byproducts with various toxin free resins, bio-polyurethanes, and other key performance additives, then crosslink them for optimum performance. Zero VOCs. Zero Hazards. Zero Toxins. Zero Solvent Odors.

Choose the best deck coating technology over inferior deck paint for a more beautiful and long lasting sustainable alternative.

## Intended Uses

For new, old, unsealed wood, concrete, fiberglass that has been properly cured and prepared. Remove all bond breakers by stripping or sanding. Degrease with (EcoFast 500 HD). Prepare concrete by acid etching (Eco-Etch Pro), or diamond grinding to a minimum CSP-1 level to open up pores for optimum penetration and bonding. Prepare fiberglass by sanding and cleaning.

**Wood Decks • Pool Decks • Balconies • Stairways  
Fiberglass Boat Decks • Pool Decks • Walkways**

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

## Performance Features

- Anti-Fade UV Resistant
- Breathable Chemistry
- Water & Chemical Resistant
- Non Skid Texture
- High Flexural Strength
- Virtually Odorless
- 30-60 Minute Dry Time
- Soap & Water Cleanup

## Green Building & Sustainability Features

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

## Technical Product Information

### APPLICATION TOOLS & EQUIPMENT:

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

**Manual Applicator Choices:** 3/8" - 1/2" Nap Lint Free Roller or Foam Textured Roller, High Quality Brush.

**Mechanical Applicators:** Airless Sprayer w/.015-.019 tip or Hopper Sprayer for vertical or textured backroll.

**SHEEN LEVEL:** Flat, (< 5 GU @ 60°). To increase gloss level, topcoat with EcoTuff Clearcoat Gloss

**COLORS:** Choose from (12) beautiful 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: Zero VOC Infrared Reflective Pigments

Typical Coverage: 250 - 350 Square Feet Per Gallon  
(2 coats required. The coverage rate will vary depending on 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**

2921 W. Culver Street, #4B  
Phoenix, Arizona 85009 U.S.A.  
T: (602) 305-9397 E: info@eco-safety.com  
www.ecoprocote.com