

EcoTuff Clearcoat Product Data Sheet



Description

Eco-Tuff™ Clearcoat is an advanced high solids 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, lacquer, and varnish type products. 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™ clearcoat produces a beautiful, non-yellowing crystal clear finish available in a matte, satin, or matte sheen suitable for interior and 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 also be used with decorative colored chips, mica flakes, or use our non skid clear aggregate powders to impart a non skid texture. Create beautiful protective finishes sustainably.

Intended Uses

For new, old, unsealed concrete, wood, or masonry that has been properly cured, filled, or repaired. Remove all bond breakers. Prepare for sealing by degreasing (EcoFast 500 Cleaner) and/or acid etching (Eco-Etch Pro), or sanding/grinding to open up pores for the absolute optimum penetration and bonding. Prime porous surfaces with EcoTuff Quick Prime Primer.

**Concrete Surfaces • Wood Floors & Decks • Cabinets & Doors
Masonry Block & Pavers • Natural Stone & Tile • OEM Finishes**

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

Performance Features

- Water Repellant
- 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: Foam Trim Pad, High Quality Brush, 16"-18" Wood Block Applicator w/Nylon Foam Pad, Lambswool Pad, High Quality 45-90 psi pump sprayer.

Mechanical Applicators: Airless Sprayer w/.010-.012 tip, HVLP Sprayer w/.80 - 1.3mm tip.

SHEEN LEVEL: Matte (< 5 GU), Satin (< 25 GU), or Gloss (,85 GU)

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

Flammability: Non-Flammable

Typical Coverage: 300 - 400 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: 78 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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