

EcoTuff OEM Wood Finish Product Data Sheet



Description

Eco-Tuff™ Clear Wood Finish is a hard wearing one component non-toxic bio-polyurethane clearcoat specifically engineered as a high performance replacement for water and solvent borne acrylics, polyurethanes, epoxies, and 2-part conversion varnishes that are typically used for fine woodworking finishes.

It is a uniquely hard protective clear barrier with excellent abrasion resistance, yet has the perfect balance of breathability and flexural strength to provide longer lasting protection against delamination, cracking, or peeling. Eco-Tuff™ Wood Finish produces a beautiful, non-yellowing clear finish that is available in a matte, satin, or gloss sheen and is suitable for interior or exterior use.

Our proprietary plant oil emulsion technology has the same or higher solvency power than common petrochemicals which allows us to crosslink and form harder films without the use of toxins or VOCs. We are able to effectively blend various toxin free resins, bio-polyurethanes, and performance additives, for optimum resistance against abrasion, chemical, water, UV, and weathering without the need to use red list chemicals, odorous amines, or other volatile ingredients.

You will appreciate its performance along with the benefits of no toxic offgassing, no noxious solvent odors, or combustibility concerns. Increase worker safety, comfort, and productivity without compromising costs, health, or environmental welfare.

Intended Uses

For new, old, unsealed wood that has been properly cured, filled, or repaired. Sand to prepare wood to desired finish texture and appearance. When desirable, prime porous surfaces with EcoTuff Quick Prime Primer prior to topcoat applications. Minimum 2 coats recommended.

Wood Tables • Wood Desks • Wood Furniture • Wood Cabinets
Wood Paneling • Composite Wood • Wood Trim • And More...

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
- High Flexural Strength
- 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
- Will Qualify for CHPS

Technical Product Information

APPLICATION TOOLS & EQUIPMENT:

Protection: Gloves and safety glasses

Manual Applicator Choices: Foam Trim Pad, High Quality Brush, High Density Roller.

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) @ 60°

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

Film Thickness: 2.5 - 4.0 Wet Mills or .8 - 1.7 Dry Mills

Typical Coverage: 450 - 700 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: (Customized to Equipment) 72 KU +/- 3

Bio-Based Content: < 15%

VOC Content: 0 Grams/Liter

Solids Content: 31 - 35% Wt.

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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