



**Green Building Compliant
Sustainable Coatings**

SECTION 099300

STAINING & TRANSPARENT FINISHES

NATURAL WOOD STAIN

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Bio-Based Penetrating Wood Stain for Vertical and Horizontal Surfaces

1.2 RELATED SECTIONS

- A. Section 099700 – Special Coatings.
- B. Section 099300 – Staining and Transparent Finishes
- C. Section 071900 – Water Repellents

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Supply two (2) color charts with all available colors from manufacturer.
- D. Supply (2-ounce) samples of selected stain color for visual inspection and acceptance as applied on designated substrate surface.
- E. Executed Warranties.

1.4 QUALITY ASSURANCE

- A. Regulatory Requirements: Products shall comply with federal, state, and local volatile organic compounds (VOC) regulations.
- B. Mock-Ups: Provide stain sample material for mock-ups specified in affected sections to finalized color acceptance or technique modification to desired architectural look.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products of this section in manufacturer's unopened packaging until installation.

- B. Maintain storage area conditions for products of this section in accordance with manufacturer's instructions until installation.

1.6 PROJECT CONDITIONS

- A. Do not apply stain to surfaces below 50 degrees F (10 degrees C) or above 120 degrees F (49 degrees C) unless recommended by the manufacturer.
- B. Do not apply stain outdoors when rain is predicted within 24 hours or less than 1 day after surface has been wet. Certain variances are possible with manufacturer instructions.
- C. Do not stain in high or gusty winds.

1.7 WARRANTY

- A. Provide a warranty against failure due to incorrect application for a period of 5 years from the date of Substantial Completion.
- B. Provide the manufacturer's limited warranty against failure of sealer installation due to failure of sealer material for a period of 5 years from the date of Substantial Completion.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Eco Safety Products, LLC, at 1542 E. Victory Street, Suite 3, Phoenix, AZ 85040. tel: 602.305.9397 fax: 602-305-6431. email: info@eco-safety.com website: www.ecoprocote.com Products are also available at select dealers throughout the U.S.
- B. Requests for substitution will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.

2.2 MATERIALS

- A. Bio-Based Penetrating Wood Stain: Waterborne, breathable, bio-based penetrating stain. TimberSoy Natural Wood Stain.
 - 1. Resistance to Water Penetration.
 - 2. Mildew Resistance.
 - 3. Chemical Resistance.
 - 4. UV Resistance. Non-Yellowing
 - 5. Solids Content: 35 percent, minimum.
 - 6. Flammability: Non-flammable.
 - 7. Non-Hazardous: Meets all environmental air quality requirements, No chemical compounds listed as carcinogens under OSHA, ACGIH, NTP, IARC, Prop 65 or Other.
 - 8. VOC Content: Less Than 25 g/l
 - 9. Freeze/Thaw Stability: Stable.
 - 10. DOT Regulation: Non-Regulated

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that substrates to receive stain are prepared in accordance with manufacturer's instructions.

3.2 PREPARATION

- A. Protect adjacent surfaces to prevent accidental application to surfaces not indicated to

receive stain; remove accidental applications from surfaces immediately, following manufacturer's instructions.

- B. Preparation of existing surfaces:
 - 1. Remove loose or deteriorated materials, including, but not limited to, scale, spalling, paint, or other coatings.
 - 2. Clean with detergent-based materials, as recommended by manufacturer's instructions; cleaning with solvent-based or oil-based cleaners is prohibited.
 - 3. Sand existing surfaces to remove existing stains or coatings for proper colorization and adhesion

3.3 APPLICATION

- A. Apply stain in accordance with manufacturer's instructions for indicated project conditions; for multi-coat applications, allow specified curing time between subsequent coats.
- B. Application of finish sealer is recommended by manufacturer for horizontal traffic applications. Application of specialty finish coats over sealer is acceptable per manufacturer instructions. (lacquers, varnish, polyurethanes, etc.)
- C. Apply TimberSoy Wood Stain on the following compatible vertical or horizontal surfaces:
 - 1. Log Homes.
 - 2. Wood Decks.
 - 3. Wood Cabinets.
 - 4. Wood Furniture.
 - 5. Wood Beams.
 - 6. Wood Trim.
 - 7. Wood Fences.
 - 8. Wood Paneling.
 - 9. Wood Floors.

3.4 PROTECTION

- A. Protect all surface areas during the construction project to prevent contamination of work.
- B. Repair or refinish any damaged or contaminated areas.
- C. Avoid standing water and chemical cleaning during the manufacturers designated curing period.

END OF SECTION
