

SECTION 06 05 73 WOOD TREATMENT – PRESERVE® CA-C (COPPER AZOLE) TREATED WOOD

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Preservative treatment of lumber and plywood.

1.2 RELATED SECTIONS

- A. Section 32 31 29 - Wood Fences and Gates.
- B. Section 06 10 00 - Rough Carpentry.
- C. Section 06 15 00 - Wood Decking.
- D. Section 06 20 00 - Finish Carpentry.

1.3 REFERENCES

- A. ASTM International (ASTM):
 1. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
 2. ASTM A653 / A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- B. American Wood-Protection Association (AWPA):
 1. AWPA E12 - Standard Method of Determining the Corrosion of Metal in Contact with Wood.
 2. AWPA M4 - Standard for the Care of Preservative Treated Wood Products.
 3. AWPA P48 - Standard for Copper Azole Type C (CA-C).
 4. AWPA T1 - Use Category System: Processing and Treatment Standard.
 5. AWPA U1 - Use Category System: User Specification for Treated Wood.
- C. Permanent Wood Foundation (PWF) Design Specification, ANSI/AF&PA PWF-2007.
- D. Permanent Wood Foundations, Design and Construction Guide, Southern Pine Council. Publication #400.
- E. Hawaiian Local Building Code Standards.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's instructions for use, including requirements for storage, cutting, and finishing.
- C. Preservative Treatment Certification: Treating plant's certification of compliance with specified standards, process employed, and preservative retention values.

1.5 QUALITY ASSURANCE

- A. Wood Treatment Plant Qualifications: Wood treatment plant experienced in performing work of this section licensed by Viance, LLC.
- B. Source Quality: Obtain treated wood products from a single approved source.
- C. Preservative Treatment: Mark each piece of plywood and lumber to show compliance with specified standards.

- D. Independent Third Party Inspection:
 - 1. Provide plant inspections.
- E. Kiln Dry after Treatment (KDAT): Provide kiln dry material as indicated or required.
 - 1. Kiln dry after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood in accordance with AWPA T1, Section 7 - Drying After Treatment (lumber) and AWPA T1, Section F: Pressure treated composites (3c) kiln drying after treatment.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Exposure: Prevent wood products against moisture and dimensional changes, in accordance with instructions from treating plant.

1.7 WARRANTY

- A. Preserve CA Manufacturer's Warranty: Provide manufacturer's standard lifetime limited warranty for pressure treated wood.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Viance - Treated Wood Solutions, which is located at: 8001 IBM Dr. Building 403; Charlotte, NC 28262; Toll Free Tel: 800-421-8661; Tel: 704-522-0825; Fax: 704-527-8232; Email: [Request Info \(info@viance.net\)](mailto:RequestInfo@viance.net); Web: <https://treatedwood.com>
- B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
- C. Substitutions: Not permitted.

2.2 MATERIALS

- A. Dimension Lumber: As specified in Section 06 10 00 - Rough Carpentry.
- B. Structural Plywood: As specified in Section 06 10 00 - Rough Carpentry.
- C. Finish Lumber and Plywood: As specified in Section 06 20 00 - Finish Carpentry.
- D. Fasteners and Metal Hardware in Preservative Treated Wood: For treated wood and where wood is in ground contact, subject to high relative humidity, or exposed to weather, provide corrosion resistant steel fasteners with hot-dip zinc coating per ASTM A153/A153M, provide corrosion resistant hardware per ASTM A653 / A653M Class G-185 in compliance with building code requirements.

2.3 PRESERVATIVE PRESSURE TREATMENT OF WOOD

- A. Preservative Treatment for **Above Ground Use**: decking, fencing, handrails, joists and subflooring, roof decks and sheathing (**UC3B**).
 - 1. Treatment: **Preserve CA-C** as manufactured for Viance.
 - a. Use 0.060 lb/cu ft (1.0 kg/m³) of CA-C in accordance with AWPA U1: (**UC3B**) as appropriate.
 - 2. Treat wood in the following locations:
 - a. Above Ground Use, six inches or more from the ground.
 - b. In contact with roofing, flashing, or waterproofing.
 - c. In contact with masonry or concrete.
 - d. Within 18 inches (450 mm) of grade.
 - e. Exposed to weather.
 - f. Other locations indicated.
- B. Preservative Treatment, **Ground and Fresh Water Contact (UC4A)**: fence posts, landscaping, piers and

docks; [Saltwater Splash \(UC4B\)](#), [Fresh Water Piling \(UC4C\)](#) and [Marine Use \(UC5A, B, C\)](#).

1. Treatment: **Preserve CA-C** as manufactured for Viance.
 - a. Use 0.15 lb/cu ft (2.4 kg/m³) retention in accordance with AWPA U1 (UC4A) as appropriate.
 - b. Use 0.25 lb/cu ft (4.0 kg/m³) retention in accordance with AWPA U1 (UC4B) as appropriate.
 - c. Use .31 lb/cu ft (5.0 kg/m³) retention in accordance with AWPA U1 (UC4C) as appropriate.
 - d. Use 0.41 lb/cu ft (6.6 kg/m³) retention in accordance with AWPA U1 (UC5A, B, C) as appropriate.
 2. If required, kiln dry after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood.
 3. Treat wood in the following locations:
 - a. In contact with ground.
 - b. In contact with fresh water.
 - c. Used as posts, landscaping timbers, retaining walls, piers, or docks.
- C. Preservative Treatment for [Wood Foundation Systems \(UC4B\)](#): permanent wood foundations, crawl spaces.
1. Pressure treat softwood lumber, timber, and plywood for wood foundation systems with waterborne preservatives to comply with AWPA U1.
 2. Treatment: **Preserve CA-C** as manufactured for Viance.
 - a. Use 0.25 lb/cu ft (4.0 kg/m³) retention in accordance with AWPA U1 (UC4B) as appropriate.
- D. Preservative treatment for [Saltwater Splash Zone Exposure \(UC4B\)](#).
1. Pressure treat softwood lumber, timber, and plywood for saltwater splash with waterborne preservatives to comply with AWPA U1.
 2. Treatment: **Preserve CA-C** as manufactured for Viance.
 - a. Use 0.25 lb/cu ft (4.0 kg/m³) retention in accordance with AWPA U1 (UC4B) as appropriate.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Framing and Sheathing: Comply with installation requirements in Section 06 10 00 - Rough Carpentry.
- B. Millwork and Trim: Comply with installation requirements in Section 06 20 00 - Finish Carpentry.
- C. Preservative Treated Wood:
 1. Surface treatment of field cuts: All field cuts on members that provide structural support to a permanent structure shall be field treated in accordance with AWPA M4.
- D. Wood Foundation System: Install in accordance with the following:
 1. Permanent Wood Foundation (PWF) Design Specification, ANSI/AF&PA PWF-2007.
 2. Permanent Wood Foundations, Design and Construction Guide, Southern Pine Council. Publication #400.

END OF SECTION