

SECTION 06 05 73  
WOOD TREATMENT – SupaTimber<sup>®</sup> CCA PRESSURE 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 P23 - Standard for Chromated Copper Arsenate Type C (CCA-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. SuperTimber CCA Manufacturer's Warranty (Venator Materials): 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:info@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

## 2.4 CCA PRESERVATIVE PRESSURE TREATMENT OF WOOD

Treatment: **SupaTimber CCA**: Clean and odor-free pressure treatment contains waterborne arsenical preservatives; requires some precautions in use and handling.

- A. Preservative treatment of lumber and plywood for [Above Ground Use \(UC3B, P23\)](#) in accordance with the U.S. EPA Supplemental label requirements for forest products treated with CCA.
1. Treatment: **SupaTimber CCA Type C** manufactured by Venator Chemicals.
    - a. Use 0.25 lb/cu ft (4 kg/m<sup>3</sup>) retention in accordance with AWPA U1 and P23.
  2. When required, kiln dry after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood recommended in accordance with AWPA T1 Section 7 - Drying After Treatment (lumber) and AWPA T1 Section F pressure treated composites (3c) kiln drying after treatment.
  3. Treat wood for use in the following locations:
    - a. In contact with roofing, flashing, or waterproofing.
    - b. In contact with masonry or concrete.

- c. Within 18 inches (450 mm) of grade.
  - d. Exposed to weather.
  - e. Other locations indicated.
- B. Preservative treatment of lumber and plywood for **Ground and Fresh Water Contact (UC4A, P23)** in accordance with the U.S. EPA Supplemental label requirements for forest products treated with CCA.
- 1. Treatment: **SupaTimber CCA Type C** manufactured by Venator Chemicals.
    - a. Use 0.40 lb/cu ft (6.4 kg/m<sup>3</sup>) retention in accordance with AWPA U1 and P23.
  - 2. When required, kiln dry after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood recommended in accordance with AWPA T1 Section 7 - Drying After Treatment (lumber) and AWPA T1 Section F Pressure treated composites (3c) kiln drying after treatment.
  - 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 of lumber and plywood for **Wood Foundation Systems (UC4B, P23)** in accordance with the U.S. EPA Supplemental label requirements for forest products treated with CCA.
- 1. Pressure-treat softwood lumber, timber, and plywood for wood foundation systems with **SupaTimber CCA Type C** manufactured by Venator Chemicals.
    - a. Use 0.60 lb/cu ft (9.6 kg/m<sup>3</sup>) retention to comply with AWPA U1 and P23 as appropriate.
- D. Preservative treatment of lumber and plywood for **Saltwater Splash Zone Uses (UC4B, P23)** in accordance with the U.S. EPA Supplemental label requirements for forest products treated with CCA.
- 1. Pressure treat softwood lumber, timber and plywood with **SupaTimber CCA Type C** manufactured by Venator Materials.
    - a. Use 0.60 lb/cu ft (9.6 kg/m<sup>3</sup>) retention to comply with AWPA U1 and P23 as appropriate.
- E. Preservative Treatment for Poles (UC4B) in accordance with the U.S. EPA Supplemental label requirements for forest products treated with CCA.
- 1. Pressure treat poles with **SupaTimber CCA Type C** manufactured by Venator Chemicals.
    - a. Use 0.60 lb/cu ft (9.6 kg/m<sup>3</sup>) retention to comply with AWPA U1 and P23 as appropriate.
- F. Preservative treatment of wood for **Fresh Water and Land Round Piles (UC4C, P23)** in accordance with the U.S. EPA Supplemental label requirements for forest products treated with CCA.
- 1. Pressure treat wood with **SupaTimber CCA Type C** manufactured by Venator Chemicals.
    - a. Use 0.80 lb/cu ft (12.8 kg/m<sup>3</sup>) retention to comply with AWPA U1 and P23 as appropriate.
- G. Preservative Treatment of wood for **Saltwater Immersion (Marine Use, UC5A, B, C, P23)** in accordance with the U.S. EPA Supplemental label requirements for forest products treated with CCA.
- 1. Pressure treat wood with **SupaTimber CCA Type C** manufactured by Venator Chemicals.
    - a. Use retentions appropriate for the marine exposure zone to comply with AWPA U1, UC5A, B, C and P23 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