

SECTION 06071

PRESERVE® PRESSURE-TREATED WOOD PRODUCTS



PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Preservative treatment of lumber and plywood.

1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry.
- B. Section 06200 - Finish Carpentry.

1.3 REFERENCES

- A. AWWA C1 – All Timber Products – Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- B. AWWA C2 - Lumber, Timber, Bridge Ties and Mine Ties - Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- C. AWWA C4 – Poles - Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- D. AWWA C9 – Plywood - Preservative Treatment by Pressure Processes; American Wood-Preservers' Association
- E. AWWA C14- Wood For Highway Construction- Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- F. AWWA C15 – Wood for Commercial-Residential Construction - Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- G. AWWA C16 – Wood Used on Farms - Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- H. AWWA C17 – Playground equipment treated with Inorganic Preservatives - Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- I. AWWA C22 - Lumber and Plywood for Permanent Wood Foundations - Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.

- J. AWPA P5 – Waterborne Preservatives; American Wood-Preservers' Association.
- K. AWPA M4 – Standard for the Care of Preservative Treated Wood Products; American Wood-Preservers' Association.
- L. ASTM A 153/A 153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; American Society for Testing and Materials.
- M. NFPA Permanent Wood Foundation System: Design, Fabrication, Installation Manual; National Forest Products Association, 1987 (American Forest and Paper Association, AF&PA).
- N. NFPA Permanent Wood Foundation System: Basic Requirements, 1992 revisions to Technical Report No.7; (American Forest and Paper Association, AF&PA).
- O. Permanent Wood Foundations, Design and Construction Guide, Southern Pine Council. Publication #400.
- P. ICBO ER-4981, ACQ® Preserve® Wood Preservative Treatment; ICBO Evaluation Service.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Treating plant'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 DELIVERY, STORAGE, AND HANDLING

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

1.6 WARRANTY

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

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Provide wood treatment by or under license from Chemical Specialties, Inc., One Woodlawn Green, Suite 250, 200 E. Woodlawn Road, Charlotte, NC 28217. ASD. Tel: (800) 421-8661.

- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.

2.2 MATERIALS

- A. Dimension Lumber: As specified in Section 06100.
- B. Structural Plywood: As specified in Section 06100.
- C. Finish Lumber and Plywood: As specified in Section 06200.
- D. Fasteners: For treated wood and where wood is in ground contact, subject to high relative humidity, or exposed to weather, provide steel fasteners with hot-dip zinc coating per ASTM A 153/A 153M or stainless steel fasteners.

2.3 PRESSURE TREATMENT OF WOOD

- A. Preservative Treatment for Above Ground Use:
 - 1. Treatment: ACQ® Preserve® in accordance with AWPA C1 and P5.
 - 2. Use 0.25 lb/cu ft (4.0 kg/cu m) of ACQ® Preserve® retention in accordance with AWPA C2, C9, C14, C15, C16, C17 or ICBO ER4981 as appropriate.
 - 3. Kiln drying after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood is recommended.
 - 4. Treat wood 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, Ground and Fresh Water Contact:
 - 1. Treatment: ACQ® Preserve® in accordance with AWPA C1 and P5.
 - 2. Use 0.40 lb/cu ft (6.4 kg/cu m) of ACQ® Preserve® retention in accordance with AWPA C2, C4, C9, C14, C15, C16, C17 or ICBO ER4981 as appropriate.
 - 3. Kiln drying after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood is recommended.
 - 4. 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:
 - 1. Pressure-treat softwood lumber, timber, and plywood for wood foundation systems with ACQ® Preserve® in accordance with AWPA C1 and P5.
 - 2. Use 0.60 lb/cu ft (9.6 kg/cu m) retention of ACQ® Preserve® to comply with ICBO ER 4981 or AWPA C22.
 - 3. Kiln drying after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood is required.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Framing and Sheathing: Comply with installation requirements in Section 06100.
- B. Millwork and Trim: Comply with installation requirements in Section 06200.
- C. 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 AWP A M4.
- D. Wood Foundation System: Install in accordance with the following:
 - 1. NFPA "Permanent Wood Foundation System; Design, Fabrication, Installation Manual."
 - 2. NFPA Permanent Wood Foundation System: Basic Requirements, Technical Report No. 7.
 - 3. Permanent Wood Foundations, Design and Construction Guide, Southern Pine Council. Publication #400

** Not generally required for US eastern and central species less than 5" thick.*

END OF SECTION