

SECTION 06071

PRESSURE-TREATED WOOD PRODUCTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Preservative treatment of lumber and plywood.
- B. Fire-retardant treatment of lumber and plywood.

1.2 RELATED SECTIONS

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

1.3 REFERENCES

- A. APA A400 - Permanent Wood Foundation Guide to Design and Construction; American Plywood Association.
- B. ASTM A 153/A 153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron And Steel Hardware.
- C. AWPA C2 - Lumber, Timber, Bridge Ties and Mine Ties -- Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- D. AWPA C20 - Structural Lumber -- Fire-Retardant Treatment by Pressure Processes; American Wood-Preservers' Association.
- E. AWPA C22 - Lumber and Plywood for Permanent Wood Foundations -- Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- F. AWPA C27 - Plywood -- Fire-Retardant Treatment by Pressure Processes; American Wood-Preservers' Association.
- G. NFPA Permanent Wood Foundation System: Design, Fabrication, Installation Manual; National Forest Products Association.

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.
- D. Fire-Retardant Treatment Certification: Treating plant's certification of compliance with specified requirements.

1.5 QUALITY ASSURANCE

- A. Fire-Retardant Treatment: Mark each piece of plywood and lumber to show compliance with specified standards.

1.6 DELIVERY, STORAGE, AND HANDLING

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

1.7 WARRANTY

- A. Manufacturer's Warranty: Provide manufacturer's standard 20-year limited warranty for fire-retardant treated wood.
- B. Manufacturer's Warranty: Provide manufacturer's standard 50-year limited warranty for pressure-treated wood.
- C. Manufacturer's Warranty: Provide manufacturer's standard lifetime warranty for 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.

2.3 PRESSURE TREATMENT OF WOOD

- A. Preservative Treatment for Above Ground Use:
 - 1. Treatment: ACQ(R) Preserve(R).
 - 2. Treatment: UltraWood(R).
 - 3. Treatment: SupaTimber(R).
 - 4. Treatment: DesignWood(R) SupaTimber(R).
 - 5. Use 0.25 lb/cu ft (4.0 kg/cu m) retention.
 - 6. Kiln dry after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood.
 - 7. 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(R) Preserve(R).
 - 2. Treatment: UltraWood(R).
 - 3. Treatment: SupaTimber(R).
 - 4. Treatment: DesignWood(R) SupaTimber(R).
 - 5. Use 0.40 lb/cu ft (6.4 kg/cu m) retention.
 - 6. Kiln dry after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood.
 - 7. 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 waterborne preservatives to comply with AWPA C22-96.

2. Treatment: ACQ(R) Preserve(R).
3. Treatment: UltraWood(R).
4. Treatment: SupaTimber(R).
5. Treatment: DesignWood(R) SupaTimber(R).
6. Use 0.60 lb/cu ft (9.6 kg/cu m) retention.

D. Fire-Retardant Treatment:

1. Lumber: Comply with AWPA C20.
2. Plywood: Comply with AWPA C27, Type A.
3. Surface Burning Characteristics: UL FRS rating; flame spread and smoke developed ratings of 25 or less in a test of 30 minutes' duration.
4. Treatment: D-Blaze(R).
5. Treat wood used for the following applications:
 - a. Roof and floor trusses.
 - b. Roof decks and sheathing.
 - c. Subflooring.
 - d. Beams and purlins.
 - e. Millwork and trim.

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. Fire-Retardant Treated Wood: End cuts and drilling are permitted. Do not rip or mill lumber or plywood after fire-retardant treatment.
- D. Wood Foundation System: Install in accordance with the following:
 1. NFPA "Permanent Wood Foundation System."
 2. NFPA Technical Report No. 7.
 3. APA Form A400.

END OF SECTION