

SECTION 06071

PRESSURE-TREATED WOOD PRODUCTS

PART GENERAL

SECTION INCLUDES

Preservative treatment of lumber and plywood.

Fire-retardant treatment of lumber and plywood.

RELATED SECTIONS

Section 06100 - Rough Carpentry.

Section 06200 - Finish Carpentry.

REFERENCES

APA A400 - Permanent Wood Foundation Guide to Design and Construction; American Plywood Association.

ASTM A 153/A 153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron And Steel Hardware.

AWPA C2 - Lumber, Timber, Bridge Ties and Mine Ties -- Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.

AWPA C20 - Structural Lumber -- Fire-Retardant Treatment by Pressure Processes; American Wood-Preservers' Association.

AWPA C22 - Lumber and Plywood for Permanent Wood Foundations -- Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.

AWPA C27 - Plywood -- Fire-Retardant Treatment by Pressure Processes; American Wood-Preservers' Association.

NFPA Permanent Wood Foundation System: Design, Fabrication, Installation Manual; National Forest Products Association.

SUBMITTALS

Submit under provisions of Section 01300.

Product Data: Treating plant's instructions for use, including requirements for storage, cutting, and finishing.

Preservative Treatment Certification: Treating plant's certification of compliance with specified standards, process employed, and preservative retention values.

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

#### QUALITY ASSURANCE

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

#### DELIVERY, STORAGE, AND HANDLING

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

#### WARRANTY

Manufacturer's Warranty: Provide manufacturer's standard 20-year limited warranty for fire-retardant treated wood.

Manufacturer's Warranty: Provide manufacturer's standard 50-year limited warranty for pressure-treated wood.

Manufacturer's Warranty: Provide manufacturer's standard lifetime warranty for pressure treated wood.

#### PART PRODUCTS

##### MANUFACTURERS

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.

Requests for substitutions will be considered in accordance with provisions of Section 01600.

Substitutions: Not permitted.

## MATERIALS

Dimension Lumber: As specified in Section 06100.

Structural Plywood: As specified in Section 06100.

Finish Lumber and Plywood: As specified in Section 06200.

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.

## PRESSURE TREATMENT OF WOOD

Preservative Treatment for Above Ground Use:

Treatment: ACQ(R) Preserve(R).

Treatment: UltraWood(R).

Treatment: SupaTimber(R).

Treatment: DesignWood(R) SupaTimber(R).

Use 0.25 lb/cu ft (4.0 kg/cu m) retention.

Kiln dry after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood.

Treat wood in the following locations:

In contact with roofing, flashing, or waterproofing.

In contact with masonry or concrete.

Within 18 inches (450 mm) of grade.

Exposed to weather.

Other locations indicated.

Preservative Treatment, Ground and Fresh Water Contact:

Treatment: ACQ(R) Preserve(R).

Treatment: UltraWood(R).

Treatment: SupaTimber(R).

Treatment: DesignWood(R) SupaTimber(R).

Use 0.40 lb/cu ft (6.4 kg/cu m) retention.

Kiln dry after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood.

Treat wood in the following locations:

In contact with ground.

In contact with fresh water.

Used as posts, landscaping timbers, retaining walls, piers, or docks.

Preservative Treatment for Wood Foundation Systems:  
Pressure-treat softwood lumber, timber, and plywood  
for wood foundation systems with waterborne  
preservatives to comply with AWPA C22-96.  
Treatment: ACQ(R) Preserve(R).  
Treatment: UltraWood(R).  
Treatment: SupaTimber(R).  
Treatment: DesignWood(R) SupaTimber(R).  
Use 0.60 lb/cu ft (9.6 kg/cu m) retention.

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

## PART EXECUTION

### INSTALLATION

Framing and Sheathing: Comply with installation  
requirements in Section 06100.

Millwork and Trim: Comply with installation requirements  
in Section 06200.

Fire-Retardant Treated Wood: End cuts and drilling are  
permitted. Do not rip or mill lumber or plywood after  
fire-retardant treatment.

Wood Foundation System: Install in accordance with the  
following:

NFPA "Permanent Wood Foundation System."  
NFPA Technical Report No. 7.  
APA Form A400.

END OF SECTION