

SECTION 06070

WOOD TREATMENT

PART 1 - GENERAL

1.01 DESCRIPTION

- A. This Section describes the requirements for preservative treated and fire-retardant treated wood where indicated or specified.
- B. Related Sections:
 - 1. Miscellaneous rough carpentry is specified in Section 06101.

1.02 SUBMITTALS

- A. Wood Treatment Data: Treatment manufacturer's instructions for handling, storing, installing and finishing of treated material.

PART 2 - PRODUCTS

2.01 PRESERVATIVE WOOD TREATMENT

- A. General: Provide preservative-treated wood at areas where wood is in contact with ground, concrete, or masonry.
- B. Material: Waterborne Alkaline Copper Quaternary (ACQ) preservative system containing no arsenic and no chromium.
- C. Approved Manufacturer: Chemical Specialties, Inc. "Preserve" or approved equal.
- D. Comply with AWPA Standard U1 and T1.
- E. Retention Rates: As recommended by manufacturer for applications required.
- F. End Cut Preservative: Acceptable to manufacturer of ACQ preservative.
- G. All ACQ preservative treated wood members shall bear an end tag or permanent ink stamp indicating name of wood treating company, treatment plant city and state, symbol for alkaline copper quaternary (ACQ), preservative retention level, approved use, and code report number.

2.02 FIRE-RETARDANT TREATMENT

- A. General: All lumber and plywood designated to be fire retardant treated shall be pressure impregnated with fire-retardant chemicals and shall have a flame spread rating of 25 or less when tested in accordance with ASTM E84. When test conditions are extended to 30-minutes, the flame spread shall not progress more than 10-1/2-feet beyond the center line of the burners, with no evidence of significant progressive combustion.
- B. Each piece of fire-retardant treated lumber and plywood shall be manufactured under independent third party follow-up inspection service, and each piece shall bear the appropriate qualified inspection agency's label indicating surface burning characteristics in the 30-minute ASTM E84 flame spread test. Each piece shall be labeled indicating kiln dried after treatment (KDAT) and identifying the treating company and location.
- C. Approved Manufacturer: Chemco, Inc. Acquisition "FRX", Hoover Treated Wood Products "Exterior Fire-X" or approved equal. Fire retardant treatment shall be free of halogens, sulfates, chlorides and ammonium phosphate.
- D. Fire-retardant treated wood shall be kiln dried after treatment to a moisture content of 19-percent for lumber and 15-percent for plywood.
- E. Fire-retardant treatment shall be a clear product and shall not change the appearance of the wood.

PART 3 - EXECUTION

3.01 INSTALLATION, GENERAL

- A. Preservative-Treated Wood: Where cut or drilled in field, treat cut ends with preservative solution used in original treatment by brushing, spraying, dipping, or soaking. Treat end cuts of ACQ preservative treated wood members with field-applied end coat prior to installation.
- B. Fire-Retardant Treated Wood: Handle, store, and install fire-retardant-treated wood in compliance with recommendations of chemical treatment manufacturer, including those for adhesives where required for installation.

END OF SECTION