

HOOVER TREATED WOOD PRODUCTS, INC.

TECHNICAL NOTE

FOR ADDITIONAL INFORMATION: 1-800-TEC-WOOD (832-9663)

SPECIFICATION GUIDE FOR *EXTERIOR FIRE-X*[®] Exterior Fire Retardant Treated Wood

PART 1 – GENERAL

1.01 PRODUCT IDENTIFICATION

- A. All lumber and plywood designated to be exterior fire retardant treated shall be pressure impregnated with *EXTERIOR FIRE-X*[®] which has a flame spread rating of 25 or less when tested in accordance with ASTM E 84, “Standard Test Method for Surface Burning Characteristics of Building Materials”. *EXTERIOR FIRE-X*[®] fire retardant treated wood shall show no evidence of significant progressive combustion when the test is extended for an additional 20 minute period. The flame front shall not progress more than 10½ feet beyond the centerline of the burners at any time during the test.
- B. In addition, there shall be no increase in the listed classification when tested after ASTM D 2898 “Standard Test Methods for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing.”
- C. Fire retardant treated lumber and plywood shall be manufactured under the independent third party inspection of Underwriters Laboratories Inc. (UL) Follow-Up Service and each piece shall bear the UL classified mark indicating the extended ASTM E 84 test.
- D. Each piece shall be labeled kiln dried after treatment (KDAT). Timber Products Inspection, Inc. (TP) shall monitor the process and the TP mark shall appear on the label.
- E. Optional pressure applied blue stain for easy identification.

PART 2 – PRODUCTS

2.01 FIRE RETARDANT TREATMENT

- A. Treatment shall be *EXTERIOR FIRE-X*[®] manufactured by Hoover Treated Wood Products, Inc.
- B. All exterior fire retardant treated wood shall be kiln dried after treatment to a maximum moisture content of 19% for lumber and 15% for plywood.
- C. Kiln drying after treatment shall be monitored by Timber Products Inspection, and the identification label on each piece of wood shall so indicate.
- D. Exterior fire retardant treated lumber and plywood shall use design value adjustments and span ratings as published by the manufacturer.
- E. The fire retardant formulation must be free of halogens, sulfates, chlorides, and ammonium phosphate.
- F. Provide lumber of the appropriate grade and species as specified by the design criteria of the intended application.
- G. Provide plywood of the appropriate size, grade and species as specified by the design criteria of the intended

2.02 PRODUCT SUBSTITUTION

No substitutions permitted.

PART 3 – EXECUTION

3.01 FIELD CUTS

- A. Lumber: Do not rip or mill fire retardant treated lumber. Cross cuts, joining cuts, and drilling holes are permitted.
- B. Plywood: Fire retardant treated plywood may be cut in any direction.

3.02 APPLICATION

- A. *EXTERIOR FIRE-X*[®] fire retardant treated lumber and plywood used in structural applications shall be applied according to the lumber and plywood strength tables provided by the manufacturer.
- B. *EXTERIOR FIRE-X*[®] is a non-leachable fire retardant treatment and may be installed with direct exposure to precipitation; however, it cannot be substituted for preservative treated wood.