

HOOVER TREATED WOOD PRODUCTS, INC.

TECHNICAL NOTE

FOR ADDITIONAL INFORMATION: www.frtw.com or 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”.
- B. *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.
- C. 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.”
- D. 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 and no increase in classification after the standard rain test.
- E. 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.
- F. Optional pressure applied blue stain is available 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. *EXTERIOR FIRE-X*[®] shall be kiln dried after treatment to maximum moisture content of 19% for lumber and 15% for plywood. The drying process shall be monitored by independent inspection
- C. *EXTERIOR FIRE-X*[®] shall use design value adjustments and span ratings as published by Hoover Treated Wood Products Inc.
- D. The fire retardant formulation must be free of halogens, sulfates, chlorides, ammonium phosphate and contain no added urea-formaldehyde.
- E. Lumber of the appropriate grade and species shall be specified to meet the design criteria of the intended application.
- F. Plywood of the appropriate size, grade, species and bond durability shall be specified to meet the design criteria of the intended application.
- G. Plywood shall have a minimum bond durability classification of Exposure 1 in accordance with US Product Standard PS 1 for Construction and Industrial Plywood.

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 used in conformance with the published design tables and conditions 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.