

# HOOVER TREATED WOOD PRODUCTS, INC

## ***TECHNICAL NOTE***

FOR ADDITIONAL INFORMATION: [www.frtw.com](http://www.frtw.com) or 1-800-TEC-WOOD (832-9663)

## ***SPECIFICATIONS***

### ***EXTERIOR-FIRE-X<sup>®</sup> Exterior Fire-Retardant-Treated Wood***

#### **PART 1 – General Product Information**

- A. Lumber and plywood designated **EXTERIOR FIRE-X<sup>®</sup>** has a flame spread index of 25 or less (Class A) when tested in accordance with ASTM E84, “Standard Test Method for Surface Burning Characteristics of Building Materials.”
- B. **EXTERIOR FIRE-X<sup>®</sup>** fire-retardant-treated wood shows no evidence of significant progressive combustion when the test is extended for an additional 20-minute period. The flame front does not progress more than 10½ feet beyond the centerline of the burners at any time during the test. Surface burning characteristics for each species and product are listed by Underwriters Laboratories (UL).
- C. **EXTERIOR FIRE-X<sup>®</sup>** shows no increase in the listed classification when evaluated for flame spread after testing in accordance with ASTM D2898 “Standard Test Methods for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing.”
- D. **EXTERIOR FIRE-X<sup>®</sup>** lumber and plywood is 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 30 minute ASTM E84 test and no increase in classification after ASTM D2898.
- E. **EXTERIOR FIRE-X<sup>®</sup>** shall be kiln dried after treatment (KDAT). The kiln drying process is monitored by Timber Products Inspection, Inc. (TP) the TP mark appears on the label.
- F. **EXTERIOR FIRE-X<sup>®</sup>** meets the performance requirements of AWP A U1, Specification H for Use Category UCFB (fire protection, exterior, above ground) and AWP C20/C27 (Exterior Type).
- G. **EXTERIOR FIRE-X<sup>®</sup>** is available with a blue colorant or branding as required for identification by the nuclear power industry and Department of Defense (DOD) Mil Spec requirements, Type II (Exterior Type).
- H. **EXTERIOR FIRE-X<sup>®</sup>** is listed on the Qualified Products List (QPL) for Mil Spec Mil-L 19140-E

#### **PART 2 - Fire-Retardant Treatment**

- A. **EXTERIOR FIRE-X<sup>®</sup>** is manufactured by Hoover Treated Wood Products, Inc.
- B. **EXTERIOR FIRE-X<sup>®</sup>** is a proprietary product of Hoover Treated Wood Products Inc. No substitutions permitted.
- C. **EXTERIOR FIRE-X<sup>®</sup>** shall be kiln dried to maximum moisture content of 19% for lumber and 15% for plywood.
- D. **EXTERIOR FIRE-X<sup>®</sup>** lumber and plywood shall use design value adjustments and span ratings as published by the Hoover Treated Wood Products Inc.
- E. **EXTERIOR FIRE-X<sup>®</sup>** fire-retardant treatment is free of halogens, sulfates, chlorides, ammonium phosphate, and contains no added urea formaldehyde.
- F. Plywood shall have a minimum bond durability of Exposure 1 in accordance with US Product Standard PS 1, Construction and Industrial Plywood.

#### **PART 3 – Execution**

- A. **EXTERIOR FIRE-X<sup>®</sup>** is a leach resistant fire-retardant treatment and may be installed with direct exposure to precipitation; however, it cannot be substituted for preservative treated wood.
- B. **EXTERIOR FIRE-X<sup>®</sup>** fire-retardant-treated lumber and plywood used in structural applications shall be applied according to the lumber and plywood strength tables available from Hoover Treated Wood Products.
- C. Lumber and plywood of the appropriate size, grade and species and bond durability shall be specified by the design criteria for the intended application.
- D. Field cutting is allowed without end treating. Do not rip or mill fire-retardant-treated lumber. Cross cuts, joining cuts, and drilling holes are permitted in lumber. Fire-retardant-treated plywood may be cut in any direction.