

HOOVER TREATED WOOD PRODUCTS, INC.

TECHNICAL NOTE

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

SPECIFICATION for *PYRO-GUARD*[®] Interior Fire Retardant Treated Wood

PART 1 – GENERAL

1.1 PRODUCT IDENTIFICATION

- A. Lumber and plywood bearing the *PYRO-GUARD*[®] mark has a flame spread rating of 25 or less (Class A) when tested in accordance with ASTM E 84, “Standard Test Method for Surface Burning Characteristics of Building Materials”. *PYRO-GUARD*[®] fire retardant treated wood shows no evidence of significant progressive combustion when the test is extended for an additional 20 minute period. In addition, the flame front shall not progress more than 10½ feet beyond the centerline of the burners at any time during the test. The flame spread and smoke developed index for each species and product are classified by Underwriters Laboratories Inc (UL).
- B. *PYRO-GUARD*[®] treated wood is manufactured under independent third party inspection by Underwriters Laboratories Follow-Up Service. Each piece shall bear the UL classified mark indicating the extended 30 minute ASTM E 84 test.
- C. *PYRO-GUARD*[®] treated wood shall be Kiln Dried After Treatment (KDAT). Timber Products Inspection, Inc. (TP) shall monitor the process and the TP mark shall appear on the label.
- D. *PYRO-GUARD*[®] shall be produced in accordance with ICC Evaluation Service Report 1791 (ESR-1791).
- E. *PYRO-GUARD*[®] meets the performance requirements of AWWA U1, Commodity Specification H for Use Category UCFA and AWWA C20/C27 (Type A, HT).
- F. *PYRO-GUARD*[®] treated wood is listed on the Department of Defense (DoD) Qualified Products List (QPL) and meets the requirements of MIL-L-19140-E as a Type 1 fire retardant treatment.

PART 2 – PRODUCTS

2.1 FIRE RETARDANT TREATMENT

- A. Treatment shall be *PYRO-GUARD*[®] manufactured by Hoover Treated Wood Products, Inc.
- B. Structural performance of *PYRO-GUARD*[®] treated wood has been evaluated in accordance with ASTM D5664 and D6841 for lumber; and ASTM D 5516 and D6305 for plywood. The resulting design value and span rating adjustments are published in ICC Evaluation Report ESR-1791, issued by the ICC Evaluation Service Inc. which includes evaluation of high temperature (HT) strength testing for roof applications.
- C. *PYRO-GUARD*[®] treated wood is kiln dried after treatment to maximum moisture content of 19% for lumber and 15% for plywood.
- D. *PYRO-GUARD*[®] does not contain halogens, sulfates, chlorides, ammonium phosphate, urea formaldehyde or formaldehyde.
- E. *PYRO-GUARD*[®] treated plywood shall have a minimum bond durability of Exposure 1, and is manufactured under US Product Standard PS 1 or PS 2. *PYRO-GUARD*[®] treated lumber shall be grade marked in accordance with PS 20.

PART 3 – EXECUTION

3.1 INSTALLATION

- A. *PYRO-GUARD*[®] treated wood shall be installed in accordance with the conditions and limitations listed in ESR-1791, the requirements of the applicable building codes, and product recommendations.
- B. *PYRO-GUARD*[®] treated wood shall not be installed in areas where it is exposed to precipitation, direct wetting, or regular condensation.
- C. Do not rip or mill lumber after treatment. Lumber can be cross-cut; Plywood can be cut in any direction. Coating of cut ends of *PYRO-GUARD*[®] treated wood is not required.
- D. As with untreated wood avoid exposure to precipitation during shipping, storage or installation. Apply underlayment over dry sheathing as soon as practical to avoid direct rain on the panel. Panels that get wet should be allowed to dry before applying underlayment, or replaced.