

# HOOVER TREATED WOOD PRODUCTS, INC

## **TECHNICAL NOTE**

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

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

Treatment with **EXTERIOR FIRE-X<sup>®</sup>** does not cause fasteners to corrode. Corrosion is caused by wetting from rainfall or other sources. **EXTERIOR FIRE-X<sup>®</sup>** treatment is not significantly more hygroscopic than untreated wood.

International Building Code (IBC) Section 2304.10.5.3\* states - **Fasteners for fire-retardant-treated wood used in exterior applications or wet or damp locations.** Fasteners, including nuts and washers, for fire-retardant-treated wood used in exterior applications or wet or damp locations shall be of hot-dipped zinc-coated galvanized steel, stainless steel, silicon bronze or copper. Fasteners other than nails, timber rivets, wood screws and lag screws shall be permitted to be of mechanically deposited zinc-coated steel with coating weights in accordance with ASTM B 695, Class 55 minimum.

For **EXTERIOR FIRE-X<sup>®</sup>**, Hoover recommends fasteners in accordance with IBC 2304.10.5.3\*.

#### **Plywood Fasteners Size and Spacing:**

Fastener size and spacing must be as required in the applicable building code for untreated plywood of the same thickness; except that roof sheathing must be fastened with

1. Minimum 8d common or 8d deformed shank nails spaced a maximum 6 inches o.c. at edges with all nails at least 3/8 inch from panel ends and 3/8 inch from panel edges and a maximum of 12 inches o.c. at intermediate supports for panels on 24- and 32-inch spans and spaced a maximum of 6 inches o.c. on all supports for panels on a 48-inch span, or
2. Other fasteners with comparable withdrawal and lateral load capacities at the same maximum spacing.
3. For 1-1/8-inch roof sheathing panels, minimum 10d common or deformed shank nails must be used.

For unblocked roof diaphragms panel edge clips are required for roof sheathing: one midway between supports for 24-inch and 32-inch spans, and two at 1/3 points between supports for 48-inch span. Clips must be specifically manufactured for the plywood thickness used.

*\*Code reference sections are from the 2015 edition of the IBC. Section 2403.10.5.3 is 2304.9.5.3 in the 2012 and 2009 editions.*

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