

FASTENERS FOR *EXTERIOR FIRE-X*[®]

Fire Retardant Treated Wood Products

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

International Building Code (IBC) Section 2304.9.5.3 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*[®] Hoover recommends the following:

- Fasteners in accordance with IBC 2304.9.5.3.
- Fasteners recognized in an ICC-ES Evaluation Report (ESR) for use in preservative treated or fire-retardant-treated wood used in an exterior application exposed to rainfall, wetting or dampness.

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, two at 1/3 points between supports for 48-inch span. Clips must be specifically manufactured for the plywood thickness used.

DISCLAIMER OF LIABILITY FOR RELIANCE ON INFORMATION PROVIDED BY HOOVER TREATED WOOD PRODUCTS, INC.: The information contained herein is true and accurate to the best of our knowledge, but is provided without warranty or guarantee. Since the conditions of use are beyond our control, Hoover Treated Wood Products, Inc. ("Hoover") disclaims all liability and assumes no legal responsibility for damages resulting from use of or reliance upon the information contained herein.