

FASTENERS FOR *PYRO-GUARD*[®]

Interior Fire Retardant Treated Wood Products

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

International Building Code (IBC) Section 2304.9.5.4 states - **Fasteners for fire-retardant-treated wood used in interior applications.** Fasteners, including nuts and washers, for *fire-retardant-treated wood* used in interior locations shall be in accordance with the manufacturer's recommendations. In absence of manufacturer's recommendations, Section 2304.9.5.3 shall apply.

In accordance with IBC 2304.9.5.4 Hoover recommends the following:

- Per ICC ESR 1791 section 3.4 - Fasteners made from aluminum, carbon steel, galvanized (zinc) steel, copper or red brass are acceptable.
- When *PYRO-GUARD*[®] fire retardant treated wood products are used and installed in code compliant interior enclosed dry applications, not exposed to dampness or wetting, uncoated carbon steel fasteners are acceptable.
- It is suggested, but not required that carbon steel fasteners be plated or coated.
- As stated in IBC 2304.9.5.3 stainless steel, or silicon bronze fasteners are also permitted.

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.

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