Scope: This Technical Bulletin addresses approved fastening techniques when using HardiePlank® Lap Siding.

HardiePlank® lap siding may be used with fasteners approved by ICC-ES ESR-2290 spaced in accordance with the Wind Load Tables. Fasteners must be corrosion resistant, galvanized or stainless steel.

BLIND NAILING (PREFERRED INSTALLATION)

James Hardie prefers and recommends installation of HardiePlank® lap siding by the blind nailing technique, such that fasteners are hidden by the course above. Fasteners shall be installed between 1 in. and 3/4 in. from the top edge and no closer than 3/8 in. from the ends of the plank.

PIN BACKS

Pinning the plank down at the bottom edge is a common practice called “pin back.” It is used to correct “high nailing”, loose planks, gaps or rattling. Pinning of the butt joints is not intended to increase wind load values; and shall be installed 3/8 in. from end and between 3/4 in. and 1 in. from bottom edge. The finish nail shall be nailed flush to the surface (not countersunk), must be corrosion resistant (e.g. galvanized or stainless) and does not provide structural support. For best aesthetics nail heads should be touched-up to color match.
FACE NAILING

Face nailing is applicable where dictated by building code, in high wind areas, and when fastening is to OSB or equivalent sheathing without penetrating into studs. Face nailing exposes the fastener head to the elements and allows for the fastener to penetrate through two sheets of overlapped plank. Fasteners shall be installed between 3/4 in. and 1 in. from the bottom edge of the board and the head must be snug, not counter sunk or overdriven.

Exposed fasteners are driven through the face of the boards.

Drive fasteners only where planks overlap.

The use of roofing nails (11GA) are not approved in this application. Where ColorPlus® products are used, the fastener head must be touched-up for color match.

5 Face Nailing Measurements

Keep nails 3/8 in. from ends of boards.

Nails for face nailing should be between 3/4 in. and 1 in. from the bottom of the board.

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Fastener Selection For Face Nailing

Wood Framing

- .118 in. x .267 in. x 2 in. 6d common

Steel Framing

- .091 in. x .221 in. x 1.5 in. siding nail
- .089 in. x .221 in. x 2 in. siding nail

Fastener Selection For Face Nailing

Steel Framing

- .323 in. x 1.625 in. Ribbed Bugle-Head No. 8
- .100 in. x .25 in. x 1.5 in. [AKN-100]

ET&F

6d common

.118 in. x .267 in. x 2 in.

.091 in. x .221 in. x 1.5 in.

.089 in. x .221 in. x 2 in.

Additional Installation Information, Warranties, and Warning are available at JamesHardie.com

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NOTE: These installation details are intended to be used as a guide only. Refer to the manufacturer’s instructions and consult with an architect or licensed design professional.