



TECHNICAL BULLETIN

FASTENING SHINGLES OVER OPEN OVERHANGS

[August 2016]

Roof overhangs at the eave and rake edges of a house provide shade and help keep rain-water off the siding, windows, and doors. When these overhangs are open (without soffits), exposing the underside of the roof deck, the following is our recommendation for fastening shingles so nail ends will not protrude through the decking and be visually displeasing.

Malarkey shingle installation instructions state the roof deck should be in good shape and constructed of a minimum 3/8" (10 mm) thick, exterior-grade plywood, 7/16" (11 mm) thick oriented strand board (OSB), or seasoned lumber, nominally 1" (25 mm) thick.

Compliant with 2016 IRC, Section R905.2.5, fasteners must be minimum 12-gauge (0.105 inch [3 mm]) shank, galvanized steel, stainless steel, aluminum or copper roofing nails, with a minimum 3/8" (10 mm) head, compliant with ASTM F1667, and long enough to penetrate through all layers of roofing materials and at least 3/4" (19 mm) into the roof sheathing. Where the roof sheathing is less than 3/4" (19 mm) thick, the fasteners shall penetrate *through* the sheathing.

Building code makes no allowance for fastening over open eaves and rakes, but for building owners who do not want nails protruding through these overhangs, Malarkey recommends using 3/4" (19 mm) *ring shank roofing nails* in these areas only. The ring shank provides greater pull-out strength than a standard roofing nail. If fastening over existing roofing, i.e., in re-cover situations, use nails with a longer shank, minimum 1" (25 mm).

Once past the overhang, switch back to standard roofing nails for the broad expanse of roof so nails will again penetrate through the decking.

Contact Malarkey Technical Services with questions at (800) 545-1191 or (503) 283-1191, 7:00 am to 5:00 pm, Pacific Time, or email us at technicalinquiries@malarkeyroofing.com.