

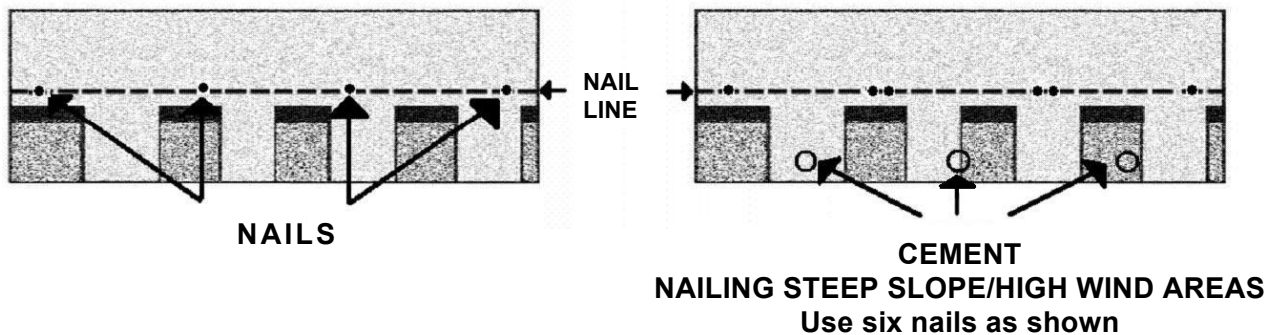


PROPER NAILING FOR LAMINATED SHINGLES

One of the key components to shingle performance is proper nailing. The purpose of this sample board is to demonstrate the effects of improper nailing on laminated shingles. Note how easily the improperly nailed shingle piece can be lifted.

Included below is a copy of IKO's nailing instructions found on each package of IKO laminated shingles.

NAILING: Use galvanized (zinc coated) roofing nails, 11 or 12 gauge, with at least 3/8" diameter heads, long enough to penetrate through plywood or 3/4" into boards. Use 4 nails per shingle placed in the nail line 7 3/8" below the top edge, approx. 1" and 13" in from each end. Drive nails straight so that nail head is flush with, but not cutting into, shingle surface.



PROPER APPLICATION REQUIRES THAT THE NAILS PENETRATE BOTH THE OVERLAY AND UNDERLAY PORTIONS OF THE SHINGLE.

NAILING ON STEEP SLOPES/HIGH WIND AREAS: For high wind areas, or on slopes of 21" per foot (60°) or more, use 6 nails per shingle placed as shown below. Ensure that no nail is within 2" of a joint/cutout of the underlying shingle. Seal down each shingle at time of application with three 1" diameter (approx. size and thickness of a quarter) spots of asphalt plastic cement placed under the shingle 2" above the bottom edge and equally spaced along the shingle. Apply plastic cement in moderation since excessive amounts may cause blistering. **CAUTION:** Shingles should seal to the underlying course when the factory applied asphalt sealant is sufficiently warmed by the heat of direct sunlight. When application conditions might limit the effectiveness of the sealing strip, such as in cool weather or in areas subject to high winds or blowing dust, shingle adhesion should be ensured through manual sealing as described above.

Thank you for installing IKO laminated shingles correctly.

For additional information on any of IKO's products or application requirements, visit us on the web at www.iko.com, or contact us in Canada at 1-888-766-2468, or the United States at 1-888-456-7663.

