

Directions For Applying Malarkey Hip & Ridge Shingles

Install Malarkey Hip & Ridge shingles according to building code and local amendments. To qualify for warranty protection and obtain stated coverage, shingles must be applied according to printed instructions. We assume no responsibility for leaks or when there has been improper application, failure to properly prepare the surface, or failure to provide proper ventilation according to F.H.A. minimum property standard requirements.

Your supplier and applicator have Malarkey warranties, please ask for one.

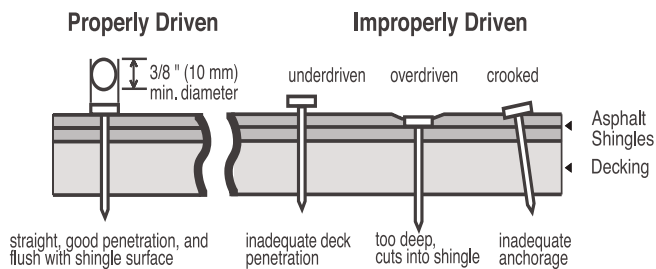
Fastener Instructions - Nails must be galvanized 12 gauge with $\frac{3}{8}$ " (10 mm) head or the equivalent corrosion-resistant roofing nail, and must be sufficient in length to penetrate through the roof deck or into the deck a minimum $\frac{3}{4}$ "

To ensure immediate sealing, Malarkey recommends that each ridge shingle be sealed down with a quarter-sized spot of shingle tab adhesive or face nailed.

Note: Avoid excessive use of cement under shingles as it may cause blistering.

To avoid damage to hip & ridge shingles in cold weather, Malarkey recommends warming shingles sufficiently to prevent damage during installation.

Shingles with the Scotchgard™ Algae Resistant Roofing System from 3M require ridge shingles with the Scotchgard™ Algae Resistant Roofing System from 3M.



(19.05mm).

Fasteners must not be overdriven to cut into shingles or under-driven. Fasteners must be seated flush to shingle surface, as illustrated. Nails should penetrate through all layers of shingles

Malarkey **Does Not** recommend the use of staples.

Hip & Ridges - Malarkey ridge shingles are recommended for all Malarkey shingle roofs. Apply Malarkey Standard Ridge (Hip and Ridge Strips™) or High Profile Ridge Shingles (EZ Ridge™ or EZ Ridge XT™) beginning at the bottom of the hip or at the ridge opposite the direction of the prevailing winds. Use two nails per shingle with one nail on each side, 1" (25mm) from the edge so succeeding shingles conceal nail head.

APPLICATION - HIGH PROFILE RIDGE SHINGLES

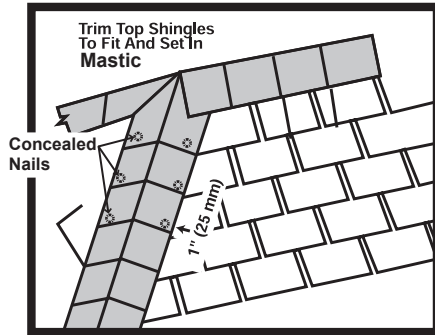
Remove ridge shingles from carton and place on roof ridge in position over installed field shingles. Overlap all ridges to the cutout (always maintaining exposure of ridge at $8\frac{1}{4}$ "). Push down on center of shingle and nail to fit exact pitch of roof. The entire shingle should be aligned with the underlying cutout.

Concealed Nails: Install one (1) nail on each side of the hip & ridge shingle $\frac{3}{4}$ " behind the cut out (not on the exposed part of the shingle). Use $\frac{3}{8}$ " non-corrosive roofing nail, long enough to penetrate all layers and attach the shingle to the roof deck.

Exposed Nails: Install one (1) nail one inch back from the front edge of the shingle. Use a $\frac{3}{8}$ " non-corrosive roofing nail sufficiently long to attach the ridge shingle to the roof deck.

APPLICATION - STANDARD RIDGE SHINGLES

Apply Malarkey Hip and Ridge shingles beginning at bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds.



Starter: cut the 5 $\frac{5}{8}$ " exposed portion of a Hip & Ridge Strip to use as a starter. Fasten approximately 3" in from roof edge. Lay first full Hip & Ridge Strip even with ridge starter shingle. Use two nails per shingle, with one nail on each side and 1" (25 mm) in from the edge so succeed-

ing shingles conceal nail heads. Continue installing ridge shingle with a maximum exposure of 5 $\frac{5}{8}$ " and fastening with one (1) nail on each side, 1" (25 mm) up from each edge. Nail placement will allow for concealment of nail head with next course.

Wind Resistance - Malarkey shingles have a thermal sealant that firmly bonds the shingles together after application when exposed to the sun and warm temperatures. Shingles installed in Fall or Winter may not seal until the following Spring. Shingles may not seal if damaged by strong winds before sealing, not exposed to adequate ambient temperatures, or if sealant gets dirty. Failure to seal under these adverse circumstances is not a manufacturing defect.

These Instructions are meant to act as a general guide. There are alternative installation methods for the installation of this product. Please contact Malarkey for details.