

### 6.17 VALLEY MATERIALS

Metal valley flashing used with Malarkey shingles must be 24" wide and made of 26 gauge galvanized steel, 26 gauge pre-finished galvanized steel, .032" thick aluminum, .032" thick pre-finished aluminum, or 26 gauge stainless steel and formed into a 'W' shape with the center bend not to be less than 1" in height.

Membrane valley will consist of a layer of 350 SBS Modified Premium Fiberglass Roll Roofing.

Right Start UDL™ (or an approved equivalent) and 401 Self Adhering Underlayment (or an approved equivalent) shall make up the underlayment under all valleys.

### 6.18 HIGH PROFILE RIDGE SHINGLES

Malarkey EZRidge™ & EZRidge XT™ installation:

Remove ridge shingles from carton and place on roof ridge over installed field shingles.

Overlap all ridges to the cutout (always maintain consistent exposure of ridge at 8-1/4").

Push down on center of shingle and nail to fit exact pitch of roof.

The entire front of the EZRidge shingle should be aligned with the underlying cutout.

**CONCEALED NAILS:** Install one (1) nail on each side of the EZRidge 3/4" behind the cut out (not on the exposed part of the shingle). Use a 3/8" non corrosive roofing nail sufficiently long to attach the ridge shingle to the roof deck.

**EXPOSED NAILS:** Install one (1) nail one inch back from the front edge of the shingle. Use a 3/8" non corrosive roofing nail sufficiently long to attach the ridge shingle to the roof deck

### 6.19 STANDARD RIDGE (225 HIP & RIDGE STRIPS)

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

Use two nails per shingle, with one nail on each side and 1" (25 mm) up from the edge so succeeding shingles conceal nail heads. *Note: when applied in cold weather or windy location, it is recommended that each ridge shingle be sealed down with a quarter-sized spot of shingle tab adhesive.*

Continue installing Ridge shingle with a maximum exposure of 5-5/8" and fastening with one nail on each side and 1" (25 mm) up from the edge so succeeding shingles conceal nail heads

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

If you are installing shingles featuring the Scotchgard™ Algae Resistant Roofing System from 3M™, 225 SBS Modified Hip and Ridge pre-perforated ridge shingle with Scotchgard™ are required.

Malarkey 225 has a seal down and is designed for a 5-5/8" exposure and is 9-7/8" wide.

### 6.20 3-TAB SHINGLE USED FOR RIDGE

Make shingles for hips and ridges by taking a 3-tab shingle and cut the shingle into thirds.

Cut the 3-tab shingle at a slight inward angle at the cut-outs and ends to give the top half of the shingle a slight tapered appearance.

Apply shingles by centering over the hip or ridge and securing each piece with one nail on each side.

Place nails 6-1/2" from the butt edge. This will conceal the nails as each succeeding course is laid.

Start the application of the ridge so that prevailing winds flow over the lap and not against the exposed edge of the ridge shingles.

Manufactured hip and ridge shingles of the same product color are available for all types of shingles and may be used rather than field-cut shingles.

### 6.21 VALLEYS

Four (4) types of valley construction are specified by Malarkey Roofing Products:

- Woven (3-tab only)
- Closed cut (3-tab and laminates)
- Metal (3-tab and laminates)
- Membrane (3-tab and laminates)

#### 6.21.1 WOVEN VALLEY (3-TAB ONLY)

Center a valley liner of 401 Self-Adhered Underlayment (or an equivalent product) in the valley and apply it directly to the roof deck, then lace underlayment into and through valleys from each side of the valley.

Lay first course of shingles along eaves of one roof area and over valley, extending it into adjoining section at least 12".

Lay first course of shingles along eaves of the adjacent roof area and over valley, extending it into adjoining section so that the bottom corner of the 3-tab shingle is positioned in the nailing area of the underlying shingle.

Lay second course of shingles over valley, extending it into adjoining section so that the bottom corner of the 3-tab shingle is positioned in the nailing area of the underlying shingle.