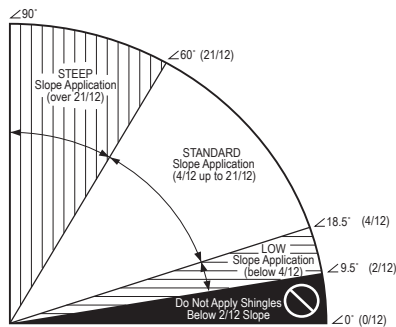


Read Before You Start Application

To obtain stated area coverage and to achieve designed performance, these directions must be followed, including 5-5/8" (143 mm) exposure to weather.

Landmark PRO shingles conform to:

- ASTM D3462
- ASTM D3018 Type I
- ASTM E108 Class A Fire Resistance
- ASTM D3161 Class F Wind Resistance
- UL 997 Wind Resistance
- UL 2390/ASTM D6381 Class H Wind Resistance
- ASTM D7158 Class H Wind Resistance
- NYC-MEA-120-79M
- CSA Standard A123.5-98 (& -05)
- Ontario BMEC Authorization #97-10-219 (BMEC report available upon request)



Slope Restrictions

The roof deck must be at least: 3/8" (9.5 mm) thick plywood, or 7/16" (11 mm) thick non-veneer, or 1" (25 mm) thick nominal wood deck.

For UL fire rating underlayment may be required. Apply flat and unwrinkled.

Standard or Steep Slopes: CertainTeed recommends DiamondDeck™ Synthetic Underlayment, Roofers' Select™ High-Performance Underlayment, or shingle underlayment meeting ASTM D226, D4869 or D6757. Always ensure sufficient deck ventilation, and take particular care when DiamondDeck or other synthetic underlayment is installed. Follow manufacturer's application instructions.

Low Slopes: One layer of CertainTeed's WinterGuard™ Waterproofing Shingle Underlayment (or equivalent, meeting ASTM D1970) or two layers of 36" (914 mm) wide felt shingle underlayment (Roofers' Select or underlayment product meeting ASTM D226, D4869 or D6757) lapped 19" (483 mm) must be applied over the entire roof; ensure sufficient deck ventilation. When DiamondDeck or other synthetic underlayment is installed, weather-lap at least 20" (500 mm) and ensure sufficient deck ventilation. Follow manufacturer's application instructions.

Cold Weather Climates (All Slopes):

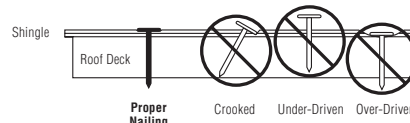
Application of WinterGuard or its equivalent is strongly recommended whenever there is a possibility of ice build-up. Follow manufacturer's application instructions.

Flashing: Corrosion-resistant flashing must be used to help prevent leaks where a roof meets a wall, another roof, a chimney or other objects that penetrate a roof.

Sealing: Shingle sealing may be delayed if shingles are applied in cool weather and may be further delayed by airborne dust accumulation. If any shingles have not sealed after a reasonable time period, hand sealing may be necessary.

CAUTION: To prevent cracking, shingles must be sufficiently warm to allow proper forming for hips, ridges and valleys.

Fastening — IMPORTANT

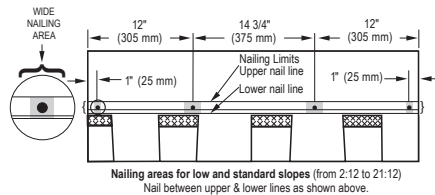


For decks 3/4" (19 mm) thick, or thicker, nails must go at least 3/4" (19 mm) into the deck. On thinner decks, nails must go at least 1/8" (3.2 mm) through the deck. Nails must be 11 or 12 gauge roofing nails, corrosion-resistant, with at least 3/8" (9.5 mm) heads, and at least 1" (25 mm) long.

IMPORTANT: NAILS MUST BE LOCATED WITHIN THE FACTORY-APPLIED NAIL LINES, TARGETING SHADED AREAS SHOWN BELOW. SHADING IS SHOWN ON ILLUSTRATIONS ONLY, NOT THE FINISHED PRODUCT

Low and Standard Slope (2:12 to 21:12):

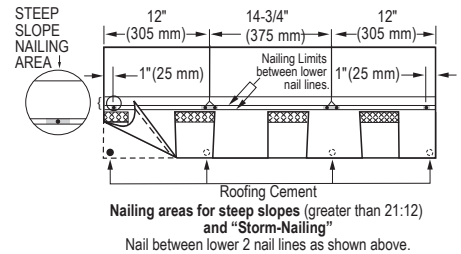
Use FOUR nails for every full Landmark PRO shingle, located within illustrated shaded areas as shown below. Position nails vertically between the upper and lower nailing-guide lines. For low and standard slopes, it is acceptable to nail between either the middle and lower lines or between the upper and middle lines.



Steep Slope (greater than 21:12):

Use SIX nails and FOUR spots of asphalt roofing cement*** for every full Landmark PRO shingle, located as shown below (within illustrated shaded areas).

Notes: Fasteners must be placed between the lower 2 nail lines.



Apply FOUR 1" (25 mm) diameter spots of asphalt roofing cement beneath shingle as shown above. Asphalt roofing cement meeting ASTM D4586 Type II is suggested.

Storm Nailing (all slopes): If weather conditions are such that sealing of shingles may not occur prior to a significant windstorm, then it is recommended that the shingles be attached using the "Steep Slope" nailing instructions above.

****CAUTION:** Excessive use of roofing cement can cause shingles to blister.

Roofing Over an EXISTING Roof (Roof-Over)

Cut old shingles back flush to rakes and eaves. Apply drip edge along rakes and eaves, if desired.

The "5-Course Diagonal Nesting" method of application described below is suggested for roofing over square-tab asphalt roofing shingles of 5-5/8" +/- 1/8" (143 mm +/- 3.2 mm) exposure.

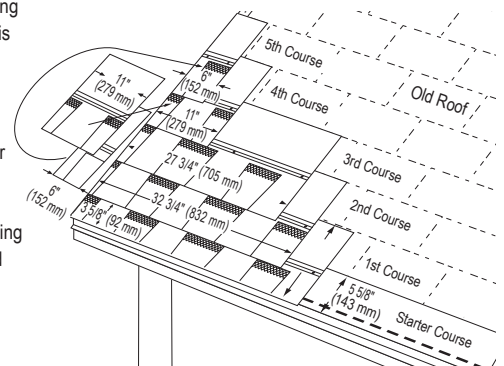
Starter Course: The starter course consists of 5-5/8" x 38-3/4" (143 mm x 984 mm) strips formed by cutting off the top 2" (50 mm) of CertainTeed's Swiftstart self-sealing shingles, or equivalent. Cut 6" (152 mm) off the left end of the first starter shingle only. Apply the remaining 32-3/4" (832 mm) piece to the lower left corner of the roof, overhanging the rakes and the eaves 1/2" (13 mm) if drip edge is used, or 3/4" (19 mm) if no drip edge is used. Continue with full lengths along eaves.

IMPORTANT: When the first course shingles are applied, ensure that the end joints of the starter shingles and the first course shingles are NEVER LESS THAN 3-1/2" (90 mm) apart. Either plan the starter shingles' application to avoid end joints getting closer than 3-1/2" (90 mm) or cut back the affected first course shingle to ensure the minimum 3-1/2" (90 mm) end joint spacing.

1st Course: Cut 2" (50 mm) off the bottom of the full Landmark PRO shingles and apply remaining 11-1/4" x 38-3/4" (286 mm x 984 mm) pieces. For all courses, align top edge of shingle to be applied with bottom edge of old shingle in next course.

2nd Course: Cut 6" (152 mm) off the left end of a full shingle and apply remaining 32-3/4" (832 mm) piece. Exposure of 1st course only is reduced to 3-5/8" (92 mm).

3rd, 4th, 5th and Succeeding Courses: Apply as described above in "5-Course Diagonal Application Method" section.



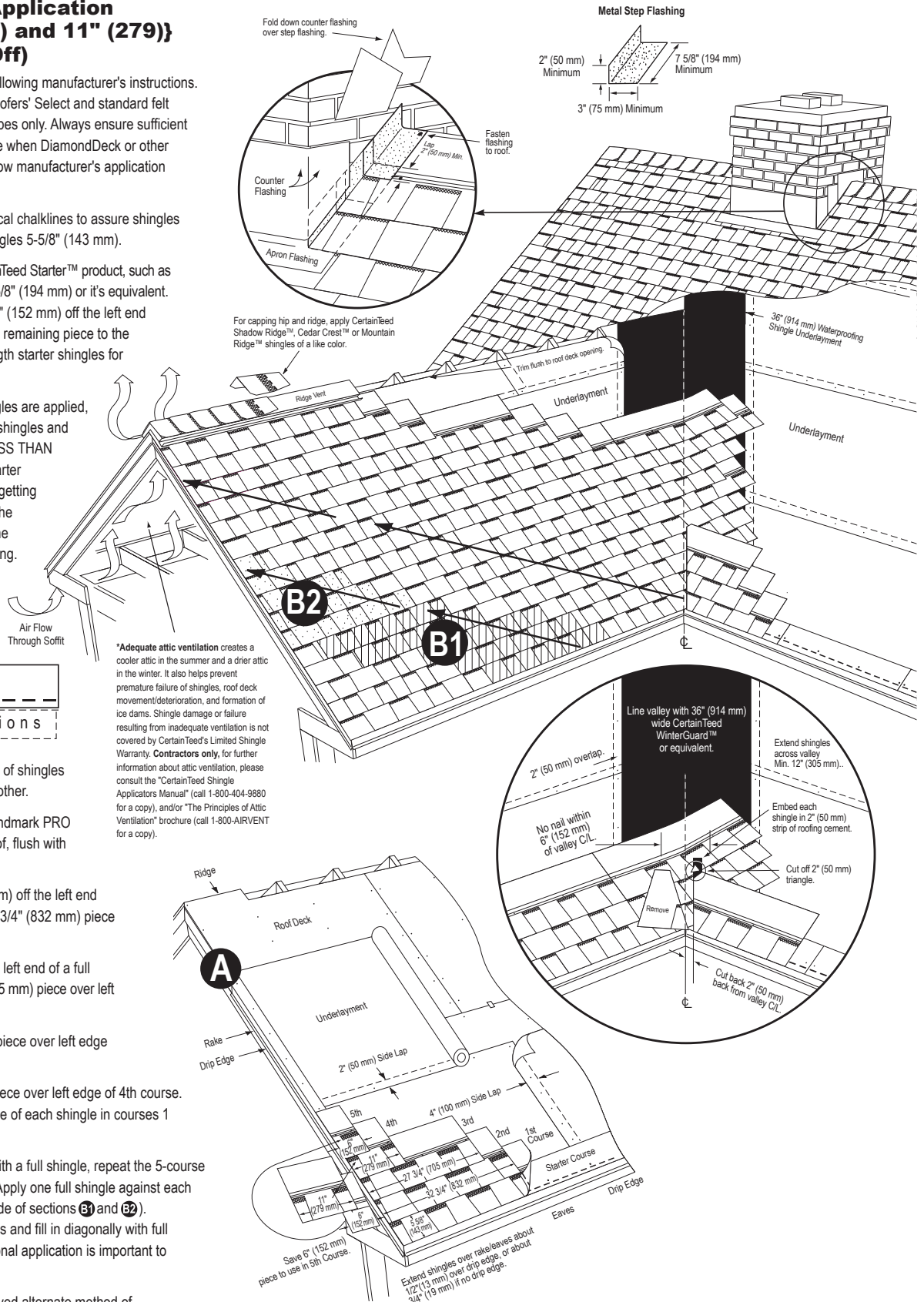
5 Course Diagonal Application Method {6" (152 mm) and 11" (279)} (NEW Roof or Tear-Off)

Underlayment: Apply as required, following manufacturer's instructions. Diagram "A" illustrates application of Roofers' Select and standard felt underlayment, for standard or steep-slopes only. Always ensure sufficient deck ventilation, and take particular care when DiamondDeck or other synthetic underlayment is installed. Follow manufacturer's application instructions.

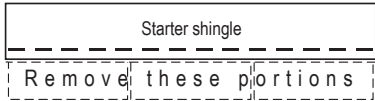
Alignment: Snap horizontal and vertical chalklines to assure shingles will be correctly aligned. Expose all shingles 5-5/8" (143 mm).

Starter Course: Use applicable CertainTeed Starter™ product, such as Swiftstart™, with a minimum height of 7-5/8" (194 mm) or it's equivalent. Apply with sealant at eaves edge. Cut 6" (152 mm) off the left end of the first starter shingle only. Apply the remaining piece to the lower left corner of the roof. Use full length starter shingles for rest of the course. (See **A**).

IMPORTANT: When first course shingles are applied, ensure that the end joints of the starter shingles and the first course shingles are NEVER LESS THAN 3-1/2" (90 mm) apart. Either plan the starter shingles' application to avoid end joints getting closer than 3-1/2" (90 mm) or cut back the affected first-course shingle to ensure the minimum 3-1/2" (90 mm) end joint spacing.



*Adequate attic ventilation creates a cooler attic in the summer and a drier attic in the winter. It also helps prevent premature failure of shingles, roof deck movement/deterioration, and formation of ice dams. Shingle damage or failure resulting from inadequate ventilation is not covered by CertainTeed's Limited Shingle Warranty. **Contractors only**, for further information about attic ventilation, please consult the "CertainTeed Shingle Applicators Manual" (call 1-800-404-9880 for a copy), and/or "The Principles of Attic Ventilation" brochure (call 1-800-AIRVENT for a copy).



IMPORTANT: Do not align end joints of shingles closer than 3-1/2" (90 mm) from one another.

1st Course: (See **A**). Apply a full Landmark PRO shingle at the lower left corner of the roof, flush with the starter course.

2nd Course: (See **A**). Cut 6" (152 mm) off the left end of a full shingle and apply remaining 32-3/4" (832 mm) piece over left edge of 1st course.

3rd Course: Cut 11" (279 mm) off the left end of a full shingle and apply remaining 27-3/4" (705 mm) piece over left edge of 2nd course.

4th Course: Apply the 11" (279 mm) piece over left edge of 3rd course.

5th Course: Apply the 6" (152 mm) piece over left edge of 4th course. Apply a full shingle against the right edge of each shingle in courses 1 through 5. (See **B1**).

Succeeding Courses: Beginning with a full shingle, repeat the 5-course diagonal pattern up left rake (See **B2**). Apply one full shingle against each shingle in courses 1 through 10 (right side of sections **B1** and **B2**). Proceed up the rake in 5-course sections and fill in diagonally with full shingles, until the roof is covered. Diagonal application is important to assure proper finished appearance.

ALTERNATE METHOD: An approved alternate method of application is the 5-5/8" (143 mm) and 11-1/4" (286 mm) method.