

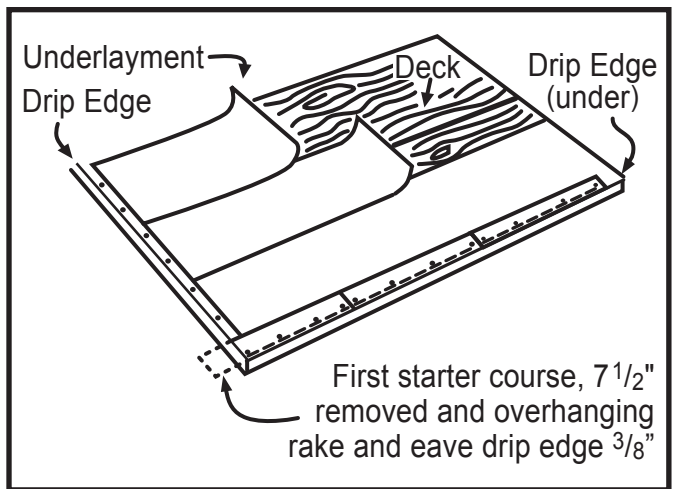
Shingle Application, Getting Started

This Technical Bulletin is focused on getting the PARAMOUNT® shingle installation started correctly. Specifically, this bulletin details the application of PABCO® Universal Starter, PARAMOUNT® Starter, and the first few PARAMOUNT® shingles. These instructions provide details for generating the diagonal application pattern for PARAMOUNT® shingles. This diagonal application pattern generates the intended roof appearance, covers all of the shingle end joints, and properly positions the sealant stripe. This provides maximum leak and wind resistance. These instructions are written for starting at a left hand corner and generate a right to left diagonal going up the roof. PARAMOUNT® can also be applied with a left to right diagonal application if starting from a right hand rake edge. Always start application from the opposite end of a roof surface from the valley and work toward the valley.

Apply underlayment, drip edge, eave and valley flashing materials before starting the application of shingles.

The first starter course is started with PABCO® Universal Starter. Remove 7 1/2" from the end. Apply the piece at the lower left corner of the deck with the sealant stripe up, overhanging the drip edge 3/8" at the rake and eave. Finish across the deck with full length pieces.

PABCO® recommends the use of nails. Attach Universal Starter with 4 nails 1" long, placed just above the sealant stripe.



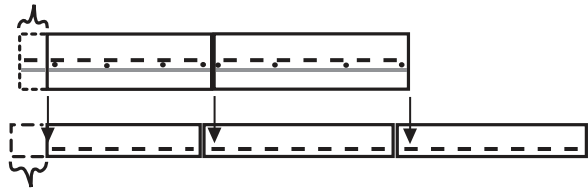
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The second starter course is started with a piece of PARAMOUNT® STARTER matching the color of PARAMOUNT® for the rest of the roof. Remove 5 3/4" from the end. Apply the piece at the lower left corner of the deck, aligned at the eave and rake with the first starter.

Attach with 4 roofing nails at least 1" long, placed in the nail area. The nail area is the area above the shadow line (darker band of granules) and below the sealant stripe. Use 6 nails for high wind applications

NAILS MUST BE ABOVE THE SHADOW LINE to assure that they will not be exposed in the spaces between the teeth of the PARAMOUNT® shingle that will cover this starter course. Finish across the deck with full length pieces.

Second starter course, PARAMOUNT® Starter, 5 3/4" removed from the first piece and aligned at rake and eave with first starter. Follow first piece with full shingles applied across the roof to finish the course.

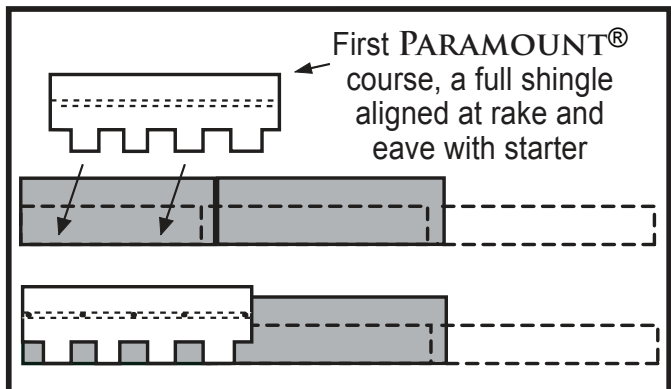


First starter course, PABCO® Universal Starter, 7 1/2" removed from the first piece. Follow the first piece with full shingles applied across the roof to finish the course.

The first PARAMOUNT® course is started with a full PARAMOUNT® shingle. Place the shingle at the lower corner of the deck. Align the end and the bottom of the shingle teeth with the edges of the PARAMOUNT® STARTER under it.

For standard slope roofs attach with 5 nails, placed in the Nail Zone. The Nail Zone is a band of light colored granules on the face of the shingle 9 1/2" to 11" up from the bottom of the teeth.

Steep slopes (greater than 20" per foot) need 6 nails and hand sealing. High wind application also calls for 6 nails.



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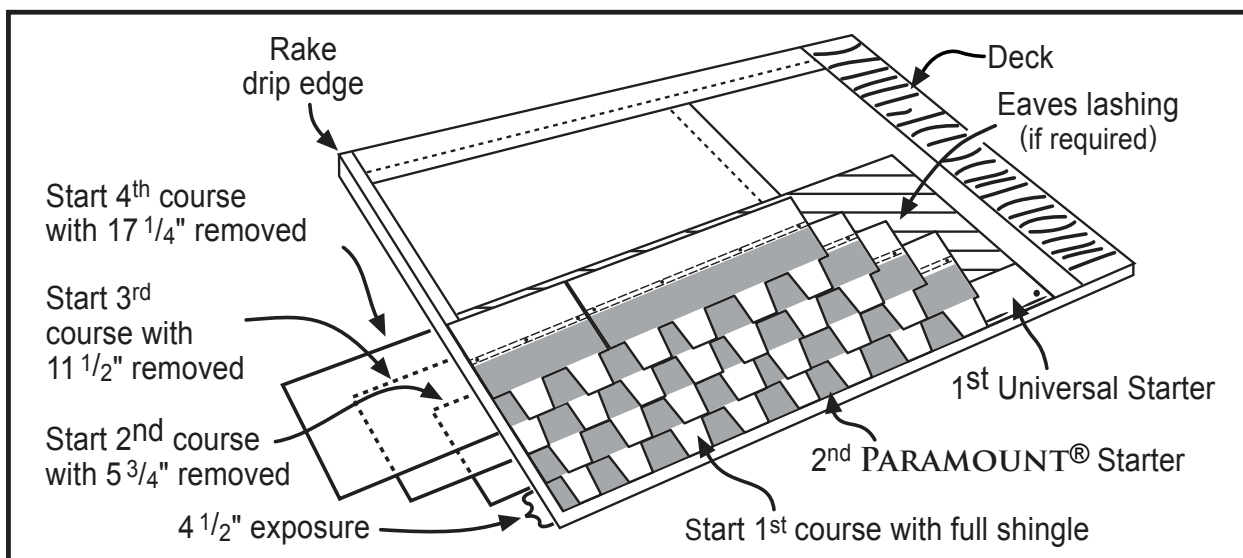
The second PARAMOUNT® course is started with a PARAMOUNT® shingle with $5\frac{3}{4}$ " cut off its left end. Apply this $34\frac{1}{4}$ " long piece over the headlap of the shingle below, flush with the left edge of that shingle. The teeth are $4\frac{1}{2}$ " high. Expose $4\frac{1}{2}$ " of the shingle below by placing the bottom of the teeth for this shingle even with the top of the area between the teeth of the shingle below.

The third PARAMOUNT® course is started with a PARAMOUNT® shingle with $11\frac{1}{2}$ " cut off its left end. Apply this $28\frac{1}{2}$ " long piece over the headlap of the shingle below, flush with the left edge of that shingle, exposing $4\frac{1}{2}$ " of the shingle below.

The fourth PARAMOUNT® course is started with a PARAMOUNT® shingle with $17\frac{1}{4}$ " cut off its left end. Apply this $22\frac{3}{4}$ " long piece over the headlap of the shingle below, flush with the left edge of that shingle, exposing $4\frac{1}{2}$ " of the shingle below.

Courses 5, 6 and 7 are started with partial shingles, progressively $5\frac{3}{4}$ " shorter than the prior shingle. You have now established the overall diagonal offset pattern. See the illustration below. (Pieces cut from shingles along the left rake may be usable to finish off courses along the right rake.)

Apply full shingles to the right side of the shingles in courses one through seven. Repeat the diagonal pattern from the first seven courses by starting course eight with a full shingle and proceeding with partial shingles, progressively $5\frac{3}{4}$ " shorter than the prior shingle.



PABCO® Limited Shingle Warranty

PABCO® warrants that our shingles are free from manufacturing defects that adversely affect their performance. PABCO® is not responsible for failures of any roof system that are not directly attributable to a PABCO® product defect. See PABCO®'s Limited Shingle Warranty for details, limits, and conditions.

