IKO® EdgeSeal™

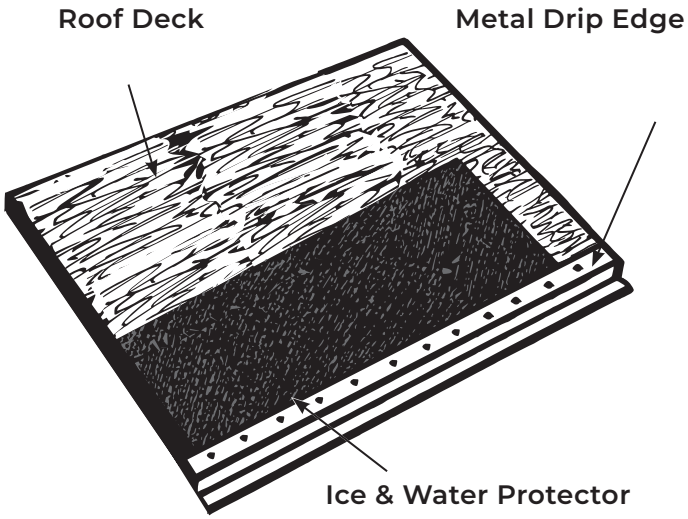
Application Instructions

ENGLISH

IMPORTANT MESSAGE • PLEASE READ! Products must be applied properly. IKO assumes no responsibility for leaks or defects resulting from poor application or failure to properly prepare the surface to be roofed over, or failure to provide proper ventilation in accordance with minimum property standards and requirements. Review all applicable building codes, minimum property standards and requirements prior to applying these products. Use caution when stacking product on sloped roofs.

ROOF SLOPE: Never apply asphalt shingles to roof slopes less than 2:12. For slopes 2:12 to less than 4:12 (LOW SLOPE), see special underlayment requirements outlined below.

STEPS 1-2



- **This application pertains to installing laminate shingles with exposure of 6" (152 mm) or less. When using EdgeSeal with 3-tab strip shingles, a secondary starter strip shingle such as IKO's Leading Edge Plus, or similar, must be the first shingle course applied at the eave edge. Check with the local building department for any restrictions in your area.**
- **In keeping with good roofing practice, apply EdgeSeal when the substrate is dry and the air temperature is between 45°F and 120°F (7°C and 49°C).**
- **Do not remove the top release film before shingles are ready to be applied. Removing the release film from the EdgeSeal too early will diminish its adhesion to shingles.**

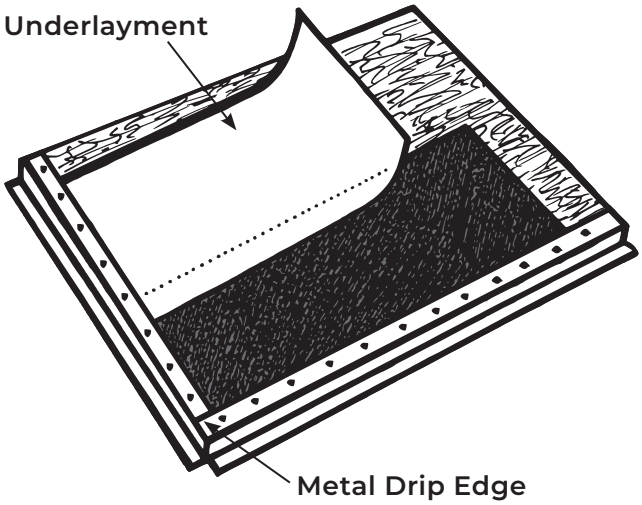
STEP 1:

PREPARE THE ROOF DECK: Deck must be smooth, firm, clean, dry and securely nailed. Wood panel decking is to be exterior grade, conforming to building code requirements. Panels are to be 3/8" min. thick plywood, or 7/16" min. thick non-veneer. Prepare the surface by removing any nails, dirt, or dust. The installation of asphalt shingles on dimensional lumber (including shiplap/board decks) is not recommended as it may potentially cause buckling problems, and may not be covered by the applicable Asphalt Shingle Limited Warranty.

STEP 2:

DECK PROTECTION: Apply ice and water protector, such as IKO StormShield® Ice & Water Protector, as per building code requirements and manufacturer's instructions, overhanging eaves by 1/4" to 3/4" and extending up the roof at least 24" from the vertical projection of the interior surface of the outside wall. IKO recommends the use of ice and water protector in all situations, however, if no ice and water protector is required by your local code or standard, then alternately apply first course of underlayment overhanging the eaves by 1/4" to 3/4". NOTE: As a way of sealing the entire deck, ice and water protector that meet ASTM D1970 can be installed over the entire roof deck. Ensure that the roof has proper ventilation and that the attic space has required airflow. Some local building departments (e.g., Miami-Dade and Broward counties in Florida) prohibit the use of a self-adhered membrane applied directly to the roof sheathing. Check with the local building department for any restrictions in your area, and always refer to local codes for any underlayment requirements.

STEP 3

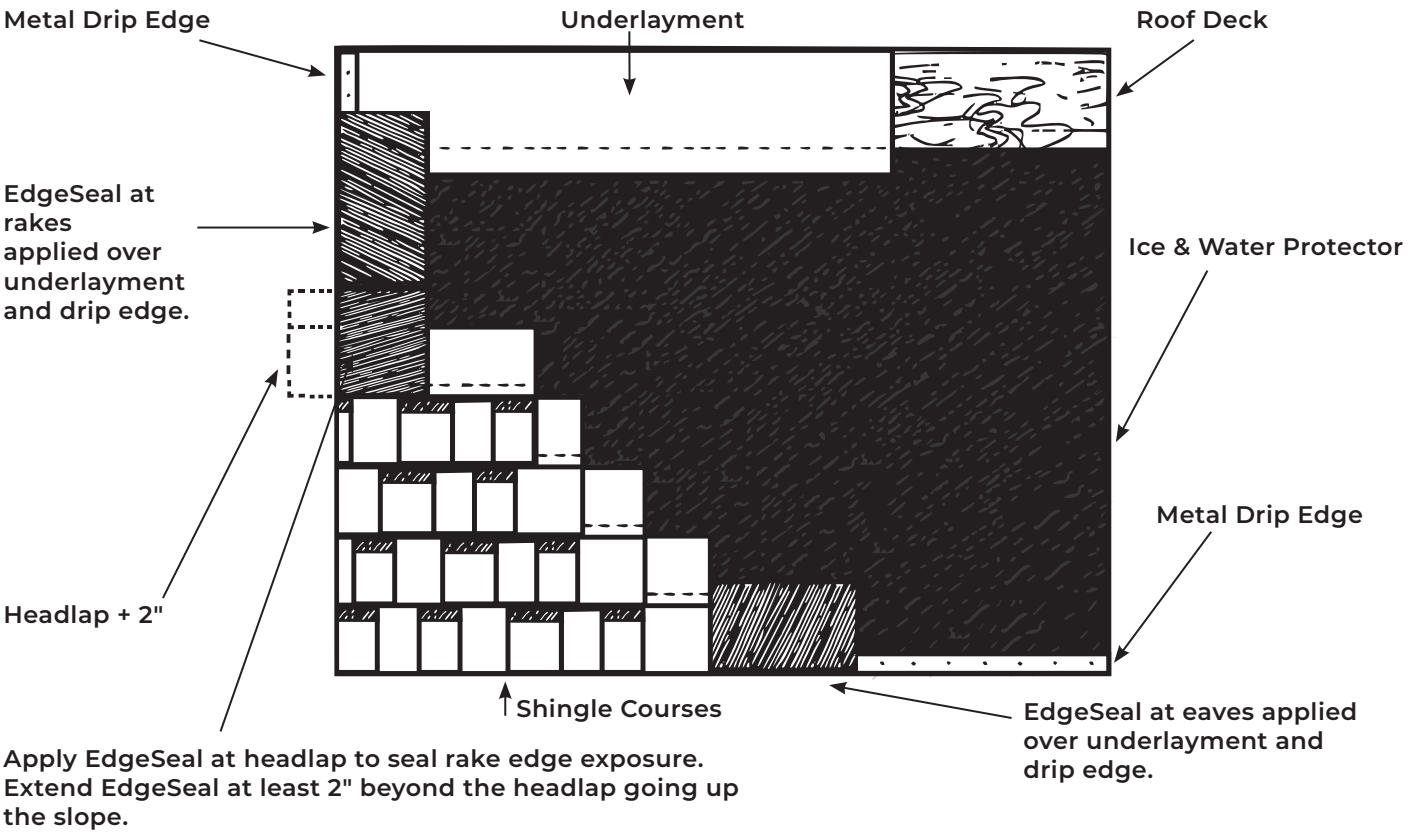


STEP 3:

UNDERLAYMENT: Apply underlayment, either ice and water protector, asphalt saturated felt, or synthetic underlayment such as IKO's Stormtite™, in horizontal courses up the roof with minimum 3" side laps, 6" end laps, and 24" end lap offset, conforming to local building code requirements. Trim the sheet to fit the final course at the peak. One layer of asphalt saturated felt (or equivalent) is required over the entire deck to qualify for an ASTM E108 Class A fire rating which may be required per the local building code.

LOW SLOPE: For roof slopes less than 4:12 down to 2:12 apply underlayment in successive courses by overlapping the preceding sheet by 19" with minimum 6" end laps and 24" end lap offset, confirming with local building code requirements. Alternately, apply a single layer of ice and water protector over the entire deck per manufacturer's instructions.

STEP 4-9



STEP 4:

APPLY DRIP EDGE ALONG EAVES AND RAKES: Apply metal drip edges directly to the deck or over ice and water protector along the eaves, spacing nails approximately 12" (305 mm) apart with minimum 2" laps. Drip edge shall extend 1/2" below sheathing and extend back on the roof a minimum of 2". At the rake, install ice and water protector prior to installing drip edge. Check with the local building code for any requirement in your area.

STEP 5:

EAVE INSTALLATION OF EDGESEAL: Properly position the EdgeSeal flush or with up to a 1/4" overhang with the outer edge of the drip edge metal on the eave. With the EdgeSeal in place, carefully remove the bottom release film and apply firm pressure along the length of the roll. Only remove the top release film as the shingles are applied along the length of the eave. When transitioning from one roll to another, overlap a minimum of 6". NOTE: If adhesion to substrate (e.g. top flange of the drip edge) is found to be marginal, an ASTM D41 asphalt primer shall be used to ensure optimal adhesion. The primer must be dry before installation of the EdgeSeal.

STEP 6:

RAKE INSTALLATION OF EDGESEAL: At the rake, after the underlayment and drip edge is in place, properly position the EdgeSeal so that it overlaps the eave edge starter course by at least 3" (76 mm) (or down to the eave) and is flush or with up to a 1/4" overhang with the outer edge of the drip edge metal on the rake. With the EdgeSeal in place, carefully remove the bottom release film and apply firm pressure along the length of the roll. Only remove the top release film as the shingles are applied along the length of the rake. When transitioning from one roll to another, overlap a minimum of 6". NOTES: If adhesion to substrate (e.g. top flange of the drip edge) is found to be marginal, a primer shall be used to ensure optimal adhesion. The primer must be dry before installation of the EdgeSeal. For compliance with Miami Dade NOA, cut pieces of EdgeSeal (or ASTM C920 sealant) are to be placed within the headlap, between subsequent courses, to seal rake edge exposure. Cut pieces are to extend at least 2" beyond the headlap going up the slope.

STEP 7:

VALLEY INSTALLATION OF EDGESEAL: For compliance with Miami Dade NOA, cut pieces of EdgeSeal or ASTM C920 sealant is used to seal valley edge exposure. Shingles will be set atop EdgeSeal. NOTE: IKO recommends using EdgeSeal to seal valley shingles in all situations. However, if it is not required by your local code or standard, alternately jump to the next step.

STEP 8:

Just before installing each shingle, remove the release film from the top side of EdgeSeal to expose the top adhesive layer.

STEP 9:

Apply asphalt shingles as directed by the shingle manufacturer's written application instructions. IKO recommends installation of shingles as soon as possible to help eliminate potential damage to the EdgeSeal membrane. For all applications, butt joints and cut-outs of the first course of shingles must be offset 4" (100 mm) or more from the butt joints of EdgeSeal.