



**Delaware  
Asphalt™**

# ICE & WATER

Fiberglass Reinforced Self-Adhesive  
Polymer-Modified Bitumen Ice and  
Water Protection Membrane

## Application Instructions

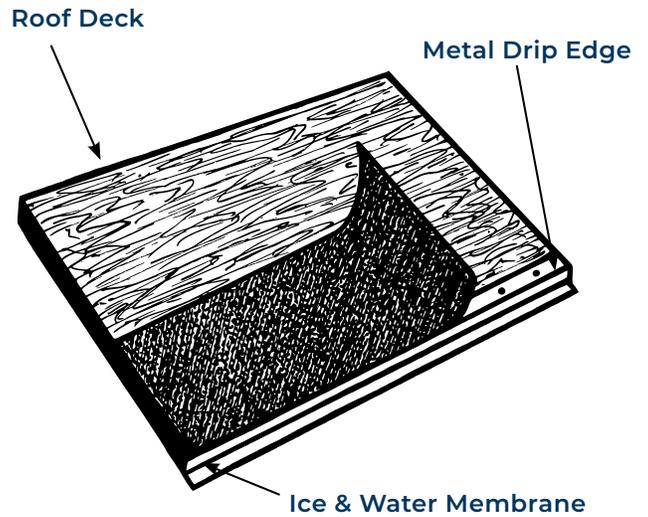
English

**IMPORTANT MESSAGE • PLEASE READ!** Products must be applied properly. Delaware Asphalt Products 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 requirements. Review all applicable building codes, minimum property standards, and requirements prior to applying these products. Use caution when stacking product on sloped roofs.

## 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" (9.5 mm) min. thick plywood, or 7/16" (11 mm) min. thick OSB. The installation of this product 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.

## Steps 1-3



## Step 2:

**APPLY DRIP EDGE ALONG EAVES:** Apply metal drip edges directly to the deck along the eaves, spacing nails approximately 12" (305 mm) apart.

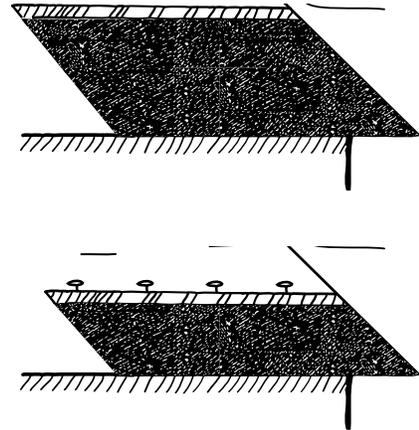
## Step 3:

**EAVE PROTECTION:** Apply membrane as per building code requirements and these instructions. Unroll and cut the membrane into 10' (3 m) to 15' (4.5 m) lengths.

### Step 4:

Align with the lower edge of the drip edge (if used), or the lower edge of the roof, overhanging eaves by 1/4" (6.4 mm) to 3/4" (19 mm) and extending up the roof at least 24" (610 mm) from the vertical projection of the interior surface of the outside wall. Tack to edge with four equally-spaced temporary fasteners. The membrane has a 2-piece release film, split down the center of the roll along the long dimension.

### Steps 4



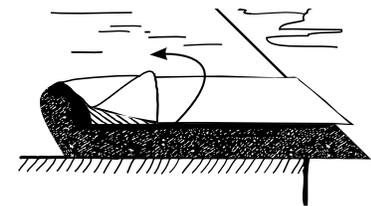
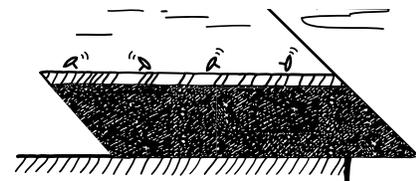
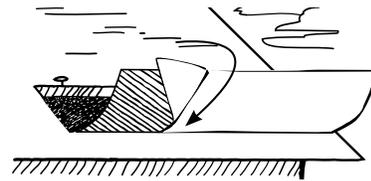
### Step 5:

Lift the lower half and remove the lower release film, exposing the adhesive surface.

### Step 6:

Carefully reposition the membrane down onto the deck and press firmly in place. Avoid wrinkles. Remove temporary fasteners.

### Steps 5-7



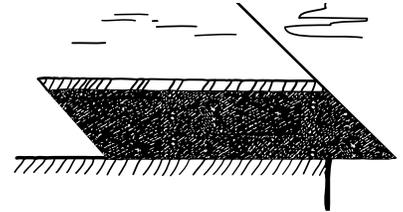
### Step 8:

Carefully reposition the membrane up onto the deck and press firmly in place. Avoid wrinkles. If more than one course is to be used, the top course should overlap the selvage tape on the lower course.

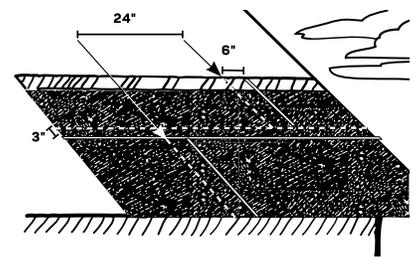
### Step 9:

End laps must be at least 6" (150 mm) and rolled to ensure adhesion and should be located at least 24" (610 mm) from those in the previous course. If using on a low slope roof (2:12 – 4:12 pitch), cover entire area with the membrane, lapped as outlined above, and then apply shingles matching exposure to the shingles on field of the roof.

### Step 8



### Step 9



**VALLEYS AND RIDGES:** Cut the membrane into 4' (1.2 m) to 6' (1.8 m) lengths. In the valley, start at the low point and work upwards, overlapping each sheet at least 6" (150 mm). Peel off the release paper and center the sheet over the valley or ridge. Drape and press in place working from the center outward toward the edges. Membranes must not be left exposed in an open valley.

**ICE DAM PROTECTION:** Membrane must be applied to reach above the highest expected level of ice dams, and at least 24" (610 cm) up the roof from the vertical projection of the interior surface of the outside wall.

**APPLY DRIP EDGE ALONG RAKES:** Apply metal drip edges over the membrane along the rakes, spacing nails approximately 12" (305 mm) apart.

