

ECOSTAR AQUA GUARD™ APPLICATION GUIDELINES

Aqua Guard™ is not designed or intended to be the final or primary roof.

As with all roofing materials, always observe safe roofing practices (OSHA) and local building and safety codes. Use caution when walking or standing on Aqua Guard. Moisture, dust, snow, ice, debris and other jobsite conditions may change the coefficient of friction of Aqua Guard. Failure to use proper safety equipment and footwear can result in serious injury or death.

Installation – General

Install Aqua guard print side up, horizontal (parallel) to the eave, with minimum 4 inch (102 mm) horizontal laps and 6 inch (152 mm) vertical laps. Overlaps shall run with the flow of water in a shingling fashion.

Minimum finished roof slope is 2:12 (17%). For roof slopes greater than 2:12 (17%) and less than 4:12 (33%), laps shall be increased to 25 inches (635 mm).

Fasteners shall be corrosion-resistant, plastic-capped roofing nails with a minimum plastic cap diameter of 1 inch. Fasteners shall be 90° to the roof deck and shall not be under or over driven.

1 Day Exposure

For short-term exposure (less than 24 hours before the primary roof installation is completed) without exposure to precipitation or high wind (any signs of underlayment uplifting), corrosion-resistant fasteners may be used to nominally attach the underlayment only as necessary to prevent distortion around fasteners in high traffic areas. The final roof covering will permanently affix the underlayment in place.

2 – 29 Day Exposure

Applications that are not immediately covered (within 24 hours) by the primary roof covering or are subject to basic wind speeds (fastest mile) in excess of 90 miles per hour (145 km/hour, Uniform Building Code) or basic wind speeds (3-second gust) in excess of 110 miles per hour (177 km/hour, International Residential Code and International Building Code) shall be attached using corrosion resistant mechanical fasteners, spaced 12 inches (304 mm) on center along both horizontal and vertical laps and 24 inches (610 mm) on center along the center of the roll in the field of the roof.

30 – 180 Day Exposure

For underlayment applications that are not covered by the primary roof covering within 30 days and/or for applications in high wind (any signs of underlayment uplifting) zones, lap widths shall be doubled and fastening frequency increased to 6 inches (15.5 cm) on center for horizontal and vertical laps and 12 inches (30.5 cm) on center along the center of the roll. Additionally, it is recommended that a caulk or sealant material¹ be applied between laps before fastening to prevent moisture ingress in areas of high wind.

Repairs

Repair damage to the underlayment with caulk or sealant material¹ maintaining a water-tight seal around the damaged area and proper overlaps to run with the flow of water in a shingling fashion. Ensure any incorrectly applied fasteners are caulked and/or sealed to prevent possible moisture ingress.

Precautions

Aqua Guard can be exposed to ultraviolet conditions for up to 6 months. Severe weather and/or local jobsite conditions may require a shorter exposure period. Please contact EcoStar Technical for further information.

Aqua Guard is not designed to function as the primary roof covering and is intended to function as a secondary water shedding layer under most steep-sloped roofing materials

Aqua Guard is a trademark of EcoStar LLC.

¹ Use Dow Corning® 790 adhesive or EcoStar Tile Tape