

MOUNTAIN BIGFOOT BARRIER-UNDERLAYMENT INSTALLATION GUIDELINES

Installation Instructions:

BIGFOOT BARRIER synthetic underlayment shall be installed in compliance with the codified requirements for ASTM D226, D8257 underlayment for the type of prepared roof covering to be installed. Re-fasten any loose decking panels, and check for protruding nail heads. Sweep the substrate thoroughly to remove any dust and debris prior to application. Corrosion-resistant fasteners shall be plastic cap nails with a minimum 1 in. diameter head. Ensure fasteners are installed at a 90-degree angle to the deck with flush contact between the plastic cap and the upper surface of the underlayment. BIGFOOT BARRIER synthetic underlayment shall be installed horizontally with the printed side up and with 4 in. horizontal laps and 6 in. vertical laps. Horizontal laps shall be in a shingle pattern, running with the flow of water. Use of staples or any fastener without 1 in. caps will void the warranty.

Single Layer: Roof Slope > 4:12: Starting at the eave, fasten the eave edge 8 in. OC and vertical laps 8 in. OC, and 24 in. OC down the center of the roll. Continue up the slope in a similar manner, maintaining a minimum of 4in. horizontal and a minimum of 6 in. vertical laps. Fasten 8 in. OC at horizontal laps and 8 in. OC at vertical laps and 24 in. OC down the center of the roll. Ensure all vertical laps are staggered at least 3 ft apart. In high wind zones (Vast>110 mph 3-second gust design wind speed), increase the fastening schedule to 4in. OC at horizontal laps, 4 in. OC at vertical laps, and 24 in. OC down the middle of the roll in the field of the roof.

Double Layer: 2:12 <Roof Slope <4:12: Starting at the eave, fasten the eave-edge of a half-width starter-strip 8 in. OC and vertical laps 8 in.OC. Continue upslope in a similar manner, with a minimum of 24 in. Horizontal laps and minimum 6 in. vertical laps. Fasten 8 in. OC along the low edge and 8 in.OC at vertical laps and 24 in. OC down the center of the roll. Ensure all vertical laps are staggered at least 3 ft. Apart. In high wind zones (Vast>110 mph 3-second gust design wind speed), increase the fastening schedule to 4 in. OC at horizontal laps, 4 in. OC at vertical laps, and 24 in. OC down the middle of the roll in the field of the roof.

For Batten-Secured Roof Cover Installations: When battens are installed over BIGFOOT BARRIER synthetic underlayment, the underlayment need only be preliminary attached in advance of batten installation. Ensure preliminary underlayment attachment does not interfere with batten locations. Where seams or joints require sealant or adhesive, use only high quality, low solvent asbestos-free plastic roofing cement meeting ASTM D4586, Type I. At eaves and valleys, install the leak barrier prior to installation of the BIGFOOT BARRIER. Along the rake, install BIGFOOT BARRIER leaving 6in. to 8 in. of the deck exposed, and then install the leak barrier over the BIGFOOT BARRIER and exposed decking. In other areas, install the leak barrier over the BIGFOOT BARRIER.

Valley Treatment: When transitioning through a valley, do not install BIGFOOT BARRIER continuously over the valley. After installation of the BIG FOOT Eave & Valley Protector or other minimum 36-inch wide leak barrier membrane, roll each course of BIGFOOT BARRIER to the edge of the leak barrier membrane, overlapping the edge a minimum of 6 inches. Fasteners shall be no closer than 8 inches from the valley center line.

Safety Precautions & Limitations: Depending on roof pitch and surface conditions (wet, dusty, frost), the coefficient of friction may change, and the surface can become slippery. Use caution when walking on the roof deck, and OSHA-compliant fall protection. BIGFOOT BARRIER synthetic underlayment is not designed as a primary roof covering, and should not be left exposed beyond 30 days prior to installation of the final roof cover. Do not walk or stand on the BIGFOOT BARRIER until it is attached to the roof deck according to installation instructions.