

Max Manufacturing, LLC

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TECHNICAL LETTER #1 ROOF SLOPE

Roofing overlays like MAX ® Slate roof tiles depend on the gravitational force component provided by slope to assure positive water-shedding. The gravitational water-shedding force must exceed all of the opposing forces, (kinetic, capillary and atmospheric suction), which tend to draw the water up a slope. Further, the environmental conditions can increase the chances for moisture intrusion traveling up a slope by way of ice dams and wind driven rain.

Due to the rigidity of the product composition and the cambered design of the roof tile, with proper preparation of the substrate by the use of a self-adhered membrane in the critical areas of the roof design and 30# organic felt in the field of the roof, the following pitches are approved for application with the MAX ® Slate roof tiles:

Slate @ 6" Exposure: - requires slope of 3in. in 12in. and above.

Slate @ 7" Exposure: - requires slope of 5in. in 12in. and above, *

*** - A 4in. in 12in. slope is available with a Slate Exposure @ 7". Contact the Technical Department for proper substrate preparation requirements.**