



Technical Bulletin #19

REQUIRED HEADLAP FOR TRIM TILES

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It has been brought to our attention that there is some confusion regarding the required headlap for our hip and ridge trim tiles. Some of this results from the lack of definitive language in past Evaluation Reports as to specific requirements for trim tile as distinguished from field tile. Our current ICBO report requires that field tiles be installed per UBC Table 15-D-2 which requires a minimum 3-inch headlap. Section 2.2.6.2 of ER 2656 addresses trim tile installation and does not specify a prescribed headlap. It does, however call for the nose end of the tile to be set in a bead of mastic or adhesive sufficient to cover the nail head. In essence, trim tiles may be installed with less than a 3-inch headlap as long as the fasteners and adhesives are installed as prescribed.

The reasons for this are as follows:

1. Field tiles are installed with a dry overlap that requires a specific overlap to prevent water intrusion.
2. Trim tile installation requires that a bead of mastic be applied at the headlap, which effectively prevents water intrusion.
3. Trim tiles are typically installed at the apex of the roof where no accumulation of water flow is expected.

The other question that arises is about the 3-inch lap that the trim tile is prescribed to lap onto the field tile. While this requirement stands for dry ridge applications, this 3-inch overlap is not required where effective weatherblocking is provided at the hip or ridge intersection. Recognized weatherblocking material includes mortar, pre-formed plastic, pressure-sensitive adhesive or other mechanism designed specifically for this purpose.