Elevated Batten System®

INSTALLATION GUIDE

The following guidelines are provided to insure proper installation of Elevated Batten System®, however check local building code for additional or different fastening requirements.

**BATTEN INSTALLATION**
- Battens are to be fastened through the batten and through the plastic pads. Locations of pads are marked with a target on top of the batten for ease of installation. Pads are located 12” on center to allow 12” or 24” on center as required per code and roof design.
- Battens are to be fastened to the deck with corrosion-resistant fasteners. Batten fasteners are to be 8d nails, #8 - 2-inch wood screws at 24-inch on centers, or 2-inch long 16 gauge staples with 7/16- inch crown at 12-inch on centers. Batten fasteners are to either penetrate 3/4-inch into the roof deck or framing or through the roof deck, whichever is less.
- EBS compatible eave risers should be used to insure proper elevation of eave tiles.

**TILE INSTALLATION**
Basic wind speed less than 100 mph and with a mean roof height of 40 feet or less.
- Fasten tiles to the battens only. Tile fasteners must completely penetrate the batten, but not penetrate the underlayment, deck or framing using the following recommended fastener lengths:

<table>
<thead>
<tr>
<th>TILE PROFILE</th>
<th>RECOMMENDED FASTENER LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat Profiles</td>
<td>1 3/4”</td>
</tr>
<tr>
<td>High Profiles</td>
<td>1 3/4” at pan</td>
</tr>
<tr>
<td></td>
<td>3” at crown</td>
</tr>
<tr>
<td>Medium Profiles</td>
<td>2 1/2” at center hole</td>
</tr>
<tr>
<td></td>
<td>3” at side holes</td>
</tr>
</tbody>
</table>

- Roof tiles must be attached in accordance with the “Design Considerations for High Wind Application” in the Tile Roofing Institute (TRI) Concrete and Clay Roof Tile – Installation Manual for Moderate Climate Regions or the Florida Roofing and Sheet Metal Association (FRSA)/TRI Concrete and Clay Roof Tile Installation Manual.
- Tile fasteners are to either penetrate 3/4-inch into the roof deck or framing or through the roof deck, whichever is less.

**EBS USAGE RECOMMENDATIONS**

Cedarlite & Madera
- 120 linear feet when courses are 9.25 to 10 inches (Each bundle equals 0.8 squares).
- 130 linear feet when courses are less than 9.25 inches (Each bundle equals .738 squares).

All other tiles
- 80 linear feet when courses are 13.3 to 14 inches (Each bundle equals 1.2 squares).
- 90 linear feet when courses are 12.1 to 13.3 inches (Each bundle equals 1.016 squares).

Usage may vary depending on tile course layout and adjustments for roof size.