



# 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:

TILE PROFILE	RECOMMENDED FASTENER LENGTH
Flat Profiles	1 3/4”
High Profiles	1 3/4” at pan 3” at crown
Medium Profiles	2 1/2” at center hole 3” at side holes

Basic wind speed 100 mph or greater or mean roof height greater than 40 feet.

- 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.