



# SnappBatt™



Member



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## INSTALLATION GUIDE

**SnappBatt™** installation system replaces the standard batten or batten & lath method of installing roofing tiles. This system revolutionizes the installation of tile!

- **Increases air flow under the tiles**
- **Non-restricted water flow under the tiles**
- **Meets the requirements for Above Sheathing Ventilation (ASV) systems**
- **Much faster than standard batten or batten & lath installations**
- **Increases uplift resistance compared to other systems (Laboratory test data available on request)**
- **Cost effective compared to other systems**

### Decking:

Sheathing must be adequate to support the loads. Typically no less than 15/32 inch thick plywood or other decking material recognized in a code evaluation report or approved by your local building official.

### Underlayment:

A minimal ASTM D226 Type II (No. 30 felt), requirements noted in Table 1A & 1B in the Tile Roof Institute (**TRI**) and the Western States Roofing Contractors Association (**WSRCA**) *Installation Guide for Moderate Climate Regions (ICC-ES ESR-2015P)*, as noted in the *International Building Code (IBC)* and *International Residential Code (IRC)* or as required by your local building jurisdiction.

### Layout:

Chalk-line the roof to the required exposure for the tile brand you are installing (*see manufactures' evaluation report for layout requirements*). The tiles will be installed with the top of the tiles aligned with the chalk-lines.

### SnappBatt™:

One **SnappBatt™** is required per tile. **Two SnappBatt™** are required per tile on pitches **above 7:12**. Refer to Table 1A in the **TRI/WSRCA** *Installation Guide for Moderate Climate Regions (ICC-ES ESR-2015P)*, Section & Table R905.3.7 in the **IRC**, Section & Table 1507.3.7 in the **IBC** *General Clay & Concrete Roof Tile* and in the *California Building Code (CBC)*.

### Fasteners:

Fasteners shall be corrosive resistant, a minimum 11 gauge diameter, the head no less than 5/16 inches and adequate length to penetrate into and/or through the decking ¾ inch. The number of fasteners and **SnappBatt™** per tile are noted above based on the applicable Code and roof pitch. If a nail gun is used, extra care must be taken to align the nail so that it goes through the nail hole in the roof tile and is perpendicular to the tile face. This will prevent excess tile breakage or spalling.

### Valley – Side Walls:

**SnappBatt™** can be used as a shim to hold full or cut-tile in place in a valley or in side-wall pans. No fastener is required for these conditions.

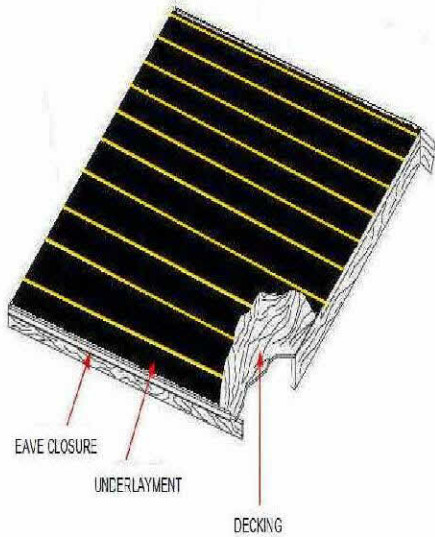
### Random-Staggered™ Installations:

Up to 7:12, the tiles can be installed in a **Random-Staggered™** pattern. The layout exposure would be reduced to accommodate the amount of stagger (*typically ½" – 1 ½" reduction*). The tiles then would be installed in a **Random-Staggered™** pattern on and above the chalk-line (based on exposure) as desired. **This would create a truly random layout.**

**SnappBatt™** can also be used with a standard batten & lath (3/8" thick lath) or elevated system that uses 3/8" shims. As above, the layout exposure would be reduced to accommodate the amount of stagger (*typically ½" – 1 ½" reduction*). The **SnappBatt™** would be installed on the tiles that will be **Random-Staggered™** installed above the batten-line **to create a truly random layout.** One **SnappBatt™** should be used up to 7:12 and two **SnappBatt™** above 7:12 pitch installations.

# INSTALLATION GUIDE

## STEP 1



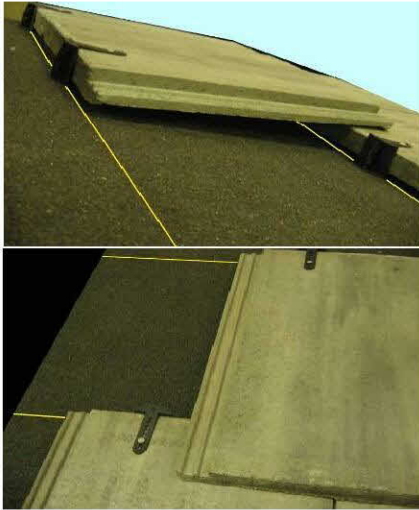
- Chalk-line 1"± from ridge-board and/or vent cut-out.
- Course and chalk-line the roof per manufacturer's minimum requirements (Maintain min. 3" head-lap).
- Chalk-line eave course to desired over-hang based on length of the tile.

## STEP 2



- Snap the **SnappBatt™** over the lug and up against the top of the tile.
- Pull the **SnappBatt™** down over the top of the tile until the nail-strip is flush with the surface of the tile.

## STEP 3



- Lay the top of the tiles parallel with the chalk-lines.

## STEP 4



- Insert the proper fastener through the nail-strip and into the nail-hole in the tile.
- Drive the nail flush with the surface of the nail-strip.

## SnappBatt™ Installed

- Avoid stepping on cut tiles on the hips or valleys and the thin area where the tiles interlock side to side.
- Use sheets of plywood to dissipate weight and movements over a large section of roof tiles.



- Roof installations in accordance with this *Installation Guide* will meet requirements set forth in *TRI/WSRCA Installation Guide for Moderate Climate Regions (ICC-ES ESR-2015P)*.