



PP315 Snow Guard Installation Instructions

ROOF TYPES

- New Metal Batten
- Existing Metal Batten
- New Flat Seam Copper Roofing
- Existing Flat Seam Copper Roofing

METAL BATTEN – 2"X6" BASE PLATE INSTALLATION

Note: A continuous block is required underneath roof batten surface to attach base plate. Mounting this system over batten alone may crush batten and cause roof to leak.

- A. Place 2x6 base plate on top of installed batten.
- B. Before fastening base plate through batten to mounting block below, apply a generous amount of acceptable sealer under flange.
- C. Fasten base plate to mounting block using 3 fasteners that will achieve 2000 pounds combined sheer.
- D. Consult with an engineer, snow guard manufacturer or fastener company to determine the fastener required for attaching base plate to substructure.
- E. Once 2"x6" base plate is installed, move on to installation of snow guard bracket.

FLAT SEAM COPPER ROOFING - 6"X8" BASE PLATE AND FLASHING INSTALLATION

Base plate

Note: Threaded studs on base plate are aligned parallel to roof pitch.

- A. Place base plate on top of finished roof.
- B. Before fastening base plate, apply a generous amount of acceptable sealant under flange.
- C. Fasten base plate to roof using a minimum of 6 fasteners.
- D. Consult with an engineer, snow guard manufacturer or fastener company to determine the fastener required for attaching base plate to substructure.

Flashing

- E. Use flashing material to cover base plate in a method acceptable by roofing manufacturer. This flashing is commonly referred to as a Flashing Patch. Flashing size should be a minimum of 12" x 12" (prefabricated copper flashing patches embossed for base plate shape are available from Alpine SnowGuards).
- F. If fabricating flashing, cut two small holes in flashing to fit tightly over threaded studs.
- G. Before installing flashing apply generous amount of acceptable sealant around threaded studs.
- H. Apply flashing over base plate and seal perimeter of flashing to flat seam copper roof.

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I. Threaded studs on base plate should still be exposed.

Note: Due to sealant applied around studs there may be bleed out at this opening. When bracket is installed and tightened this bleed out will help create a water tight compression fitting.

J. Install EPDM rubber washer on studs.

K. Once base plate and flashing are installed, move on to installation of snow guard bracket.

INSTALLATION OF SNOW GUARD BRACKET

A. Place bracket over threaded studs. Bracket will be centered on base plate when installed properly.

B. Place one bonded washer over each stud and press them all the way down against bracket.

C. Thread one nut down each stud and tighten. Nut should be tightened to approximately 15 inch-lbs, until EPDM on bonded washer is compressed.

Use fig. 1 as a visual guide for correct torque.

D. Install Pipes, Couplings, End Caps and End Collars (refer to Pipe-Style Installation Instructions). Ice Flags are optional.

fig. 1



SNOW GUARD LAYOUT FOR PIPE STYLE BRACKETS

- Contact Alpine SnowGuards for detailed layout.
- Do not install runs of snow retention bar more than 100 feet long without a break to allow for thermal expansion.
- First row of snow guards are installed above outer most wall or support of the building.