



SnowMax - Membrane Snow Guard Installation Instructions

ROOF TYPES

- New / Existing Membrane (EPDM, TPO, PVC)

BASE PLATE INSTALLATION

1. Place base plate on top of finished membrane roof.

Note: Base plate measures 6" x 5.5".

Align base plate so studs are vertical and 5.5" dimension is parallel to eave edge.

2. Fasten base plate to substructure (usually wood blocking is used for this bracket) using appropriate fasteners for the type and thickness of decking.
Make certain that base plate cannot shift.

Note: Wood blocking must measure 2" larger than perimeter of base plate.

Thickness of wood blocking will vary, but must match thickness of installed insulation.

MEMBRANE FLASHING OF BASE PLATE

Note: Use acceptable piece and size of flashing material to cover base plate in a method acceptable to membrane manufacturer. This is commonly referred to as a Target Patch. The size should be a minimum of 12" x 12". Each membrane manufacturer has specific requirements that must be met.

1. Cut two small holes in membrane flashing to fit tightly over threaded studs.
2. Before installing flashing, apply a generous amount of an architect-approved sealant around threaded studs on base plate.
3. Apply flashing over base plate and seal perimeter of flashing to deck sheet.
Threaded studs are now the only part of base plate 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 watertight compression seal.

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BRACKET INSTALLATION

1. Place bracket over threaded studs. Top bolt hole should be upslope.
2. Place one bonded washer over each stud and press them all the way down against bracket.
3. 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.

fig. 1



4. Place SNOWMAX-LITE-BAR into brackets dovetail feature.
5. Install flange bolt into tapped hole on bracket, located behind bar and tighten until bolt bottoms out and bar is secure. (This will be a tight fit to back vertical part of the bar).

SNOW GUARD ACCESSORIES (OPTIONAL)

SnowMax-Color Insert

The face of the bar is designed to accept a 2" wide color insert. This is available in a limited color selection from Alpine SnowGuards. Many installers provide this part themselves using roofing material they have on hand.

SnowMax-Ice Flag-AL

- Ice flags are optional but recommended, at least on bottom tier of guards (assuming project needs more than one tier).
- Ice Flags are cut to length so flag does not rest on roof surface.
- To install, center Ice Flag between brackets and fasten with one Tek screw (provided).
- For brackets spaced 25" wide or wider, install two Ice Flags between brackets, spaced evenly.

Note: Once point of TEK screw is through metal, only tighten enough to engage TEK screw. Do not over-tighten or over-torque with a drill. Tighten by hand only to securely engage flag.

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.

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