

Installation Instructions for SNOWMAX-MEMBRANE

- I. Installation of Base Plate: Part #4 on “Assembly Sheet-SNOWMAX-MEMBRANE”
 - A. Place the base plate on top of the finished membrane roof. NOTE: The SNOWMAX-MEMBRANE base plate measures 6”x5.5”. Align the base plate so that the 6” dimension is parallel with the eave.
 - B. Fasten base plate to the substructure, usually wood blocking is used for this bracket, using the appropriate fasteners for the type and thickness of the decking. Make certain that the base plate cannot shift.

**The wood blocking must measure 2” larger than the perimeter of the base plate. Thickness of the wood blocking will vary, but must match the thickness of the installed insulation.
 - C. Consult with project engineer, engineer of roof, or fastener company to determine the fastener required for attaching the base plate to the substructure.

- II. Flashing of Base Plate: Part #9 on “Assembly Sheet-SNOWMAX-MEMBRANE”
 - A. Use an acceptable piece and size of flashing material to cover the base plate in a method acceptable by the membrane manufacturer. This is commonly referred to as a Flashing Patch. This size will be a minimum of 12” x 12” but each manufacturer has specific requirements that must be met.
 - B. Cut two small holes in flashing to fit tightly over threaded studs.
 - C. Before installing flashing apply a generous amount of acceptable sealant around threaded studs.
 - D. Apply flashing over base plate and bond the perimeter of the flashing to the deck sheet per manufacturer specifications.
 - E. The threaded studs are now the only part of the base plate exposed. NOTE: Due to the sealant applied around the studs, there may be bleed out at this opening. Once the bracket is installed and tightened, this bleed out will help to create a water tight compression fitting.





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- III. Installation of Snow Guard Bracket: Parts #1, 5, & 6 on “Assembly Sheet-SNOWMAX-MEMBRANE”
- A. Install snow guard bracket over the threaded studs. The dovetail feature should be downslope from the studs.
 - B. Place one bonded washer over each stud and press them all the way down against the bracket.
 - C. Thread one nut down each stud and tighten.
- IV. Installation of SnowMax-Bar: Parts #7,2,3 on “Assembly Sheet-SNOWMAX-MEMBRANE”
- A. Place SnowMax-Bar’s dovetail into the dovetail slot on the bracket so that the slotted face of the bar is facing down slope. When properly installed, the face of the bar will help to hide the bracket.
 - B. Place lock washer on flat head bolt. Insert bolt into the top of the bracket and tighten until the lock washer engages the top of the bracket. Once this interface has been achieved, torque the bolt to a minimum of 100 inch-pounds.
 - C. The SnowMax-Bars are provided in 8’ lengths. Each bar comes with a coupling/splice device (rectangular shape) that slides into the slot at the end of the bar. Join successive bars by sliding slotted end over the coupling /splice device.
 - D. Color Insert (OPTIONAL): Part #8 on “Assembly Sheet-SNOWMAX-MEMBRANE”
 - a. The face of the SnowMax-Bar is designed to accept a 2” wide color insert using the color metal that the roof was made with. This color insert is available in a limited color selection from Alpine SnowGuards. Many installers will provide this part themselves using material they have on hand.





Snow guard layout for pipe/bar style brackets

- Contact the manufacturer 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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