



## **Panel Guard Installation For Adhesive Attachment**

[www.snoshield.com](http://www.snoshield.com)

Note: These installation instructions are provided as assistance to installers. Sno Shield Inc takes NO responsibility for errors in application or omissions and cannot be held responsible for product installation. Sno Shield Inc warrants the products themselves, not the installation. See Warranty Information.

1. Clean roof surface with isopropyl alcohol where snow guard is to be attached-ensure area is completely dry before attaching snow guard
2. Cut tip of adhesive nozzle (Surebond SB-190 recommended) and smear evenly across the entire base of Panel Guard ensuring to fill in all pockets in the waffle pattern of the base and to have enough adhesive to squeeze out along the perimeter of the snow guard
3. Place snow guard in desired location with the tip of the “triangle” shape pointing down the slope (toward the eave) of the roof and the “Y” shape facing up the roof (toward the ridge)
4. Press down on the snow guard with enough force that the adhesive is squeezed out along the perimeter of the base ensuring that there are no air pockets. If necessary, run a bead of the adhesive around the edge of the base where there may be voids
5. While wearing rubber gloves, smooth adhesive around edge of base of the snow guard to create a water tight seal and clean up any excess adhesive

Tip: On steeply pitched roofs, it may be necessary to temporarily secure the snow guards in place to prevent any sliding until the adhesive takes hold.

Note: SB-190 requires a 28 day period at 50 degrees (F) or higher for full cure and for best results in adhesion (90% Strength is achieved at 12-14 days at 50 degrees F or above).

Contact Sno Shield Inc for recommended snow guard placement and spacing layouts  
1-888-976-6744      [info@snoshield.com](mailto:info@snoshield.com)      208-524-7371  
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## **Panel Guard Installation For Mechanical (Screw Down) Attachment**

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This method is NOT recommended for snow guard installation on standing seam floating metal roofs.

1. Clean roof surface with isopropyl alcohol where snow guard is to be attached-ensure area is completely dry before attaching guard
2. Cut tip of sealant (use a high-quality, waterproofing sealant) nozzle and smear evenly across the entire base of Panel Guard ensuring to fill in all pockets of the base's waffle pattern and to have enough sealant to squeeze out along the perimeter of the guard
3. Place snow guard in desired location with the tip of the "triangle" shape pointing down the slope (toward the eave) of the roof and the "Y" shape facing up the roof (toward the ridge)
4. Insert minimum of two (2) screws with neoprene washers into starter holes located on the top-side of the snow guard's base. Screw through guard into purlin or structural support until 50% compression of washer is achieved. Ensure sealant has squeezed out around base and run a bead of sealant around fastener heads and around base in any areas that may have voids
5. While wearing rubber gloves, smooth adhesive around edge of base of the snow guard to create a water tight seal and clean up any excess adhesive

**Important: Installer is responsible to determine the proper number, length, and size of screws needed for each specific project**

Reminder: Surebond SB-190 is NOT recommended as a sealant for this application. A high-quality, waterproof sealant will create a better water-tight seal.

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## **Panel Guard Installation For Shingle and Slate Attachment**

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1. Place snow guard on shingle/slate with extension strap pointing up toward ridge or peak of roof
2. Position snow guard so that the next row of shingles/slate will end a minimum of 1/2 inch above the snow guard base but will cover the extension strap
3. Use proper fasteners to attach extension strap to roof deck
4. Repeat these steps for entire layout

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## **Panel Guard Installation For Solder Attachment**

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Recommended for copper, lead-coated copper, zinc, and terne coated stainless steel.

1. Tin the base of the snow guard
2. Determine desired location of snow guard and clean panel well
3. Flux and tin the area where snow guard will be placed
4. Place snow guard in desired location with the tip of the “triangle” shape pointing down the slope (toward the eave) of the roof and the “Y” shape facing up the roof (toward the ridge) and heat snow guard sufficiently to melt solder on panel and snow guard
5. Allow snow guard to cool in place

Tip: This process is much easier to perform if able to complete before the installation of the roof panels.

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**Panel Guard Installation  
For 2-Sided Tape Attachment  
(Peel & Stick)**

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1. Clean roof surface with isopropyl alcohol where snow guard is to be attached-ensure area is completely dry before attaching guard
2. Apply a thin coat of primer to the area where guard will be placed
3. Remove backing from adhesive tape attached to the base of the snow guard
4. Place snow guard in desired location with the tip of the "triangle" shape pointing down the slope (toward the eave) of the roof and the "Y" shape facing up the roof (toward the ridge). Press snow guard down while applying even pressure
5. Apply a thin bead of sealant around entire perimeter of snow guard

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## Rib Guard Installation For Seam Mounted Attachment (Clamp-On)

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Tip: Proper torque will vary depending on the type and gauge of the metal roof. It is recommended that the installer test one Rib Guard first to determine the correct torque required to obtain the desired compression. **As the set screws are tightened and the metal compresses, it may be necessary to retighten the set screws. Tightening until the screws create an indentation in the metal will provide a stronger hold. Extreme over tightening, however, can cause the product to fail.**

6. Place first snow guard on seam (rib) approximately two feet (2) above eave of roof or directly above the exterior supporting wall where possible
7. Use hex bit socket and 3/8" (9.5 mm) ratchet or a screw gun to tighten set screws with reasonable torque. ***Please note that the majority of the Rib Guard's strength is derived from the top screw (the screw closest to the face) and close attention should be given to ensure that that screw is tight.***
8. Subsequent guards should normally (but not always) be placed in a staggered pattern across roof as shown below (panel width, roof pitch, and design load will determine whether a snow guard is required on every rib and the required vertical distance from one row to the next):  

I	X	I	X	I	X	I	X	I	X	I
X	I	X	I	X	I	X	I	X	I	X

(The "X" represents the snow guards; the "I" represents the seams)
9. Continue in pattern of staggering the snow guards across the eve (width) and up towards the ridge (length) of the roof

**Important: Please note that placement and number of snow guards required will vary depending on snow load, roof pitch, rafter and eve length, panel width, etc. Please follow Sno Shield Inc.'s customized layout recommendations and industry guidelines, and rely on a qualified design professional for each specific project.**

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## Color Armor™ Installation Snow Guard Cover

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1. Ensure snow guard is properly attached to roof *before* applying Color Armor™ if used with the Rib Guard or the mechanically fastened Panel Guard
2. Ensure correct style of Color Armor™ is being used. Color Armor™ for the Rib Guard is notched at one end to allow clearance for the roof panel seam (rib)
3. Align holes on the Color Armor™ with the “pegs” on the base of the snow guard and gently apply pressure until the Color Armor™ slides (snaps) onto the snow guard
4. Pull gently on Color Armor™ to ensure proper attachment. If attached properly, Color Armor™ will not come off

**Important: When using the Rib Guard or the mechanically fastened Panel Guard, Color Armor™ must be installed after the snow guard is attached to the roof. If attaching the Panel Guard with adhesive or double-sided tape, Color Armor™ can be installed on the snow guard prior to attachment to the roof. Please note that Color Armor™ has been designed as a permanent fixture, so once applied it is very difficult to remove.**

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