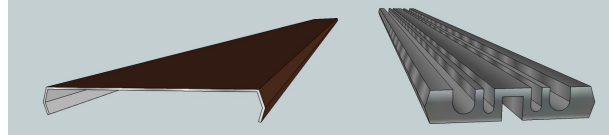




Installing the Sno-free Valley System for Existing Roofs



SFP – VALLEY EXISTING

SFP – EXTRUSION

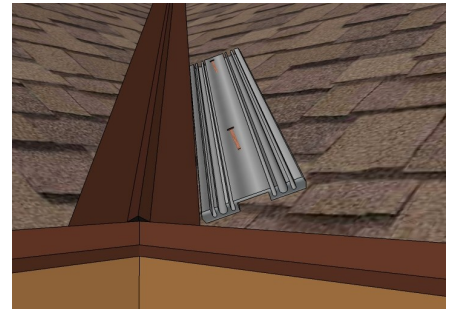
Step # 1 **Mark the location and Install Extrusion**

Mark the area on the roof to receive the extrusions. Allow sufficient space for drainage water to flow freely down to the gutter or drip edge.

The extrusion should be installed no more than 3" from the bottom of the trough of the valley.

Pre-drill the extrusion through the center no less than 30" O.C. Make sure that you countersink the holes to allow for the screw to sit flush on the extrusion.

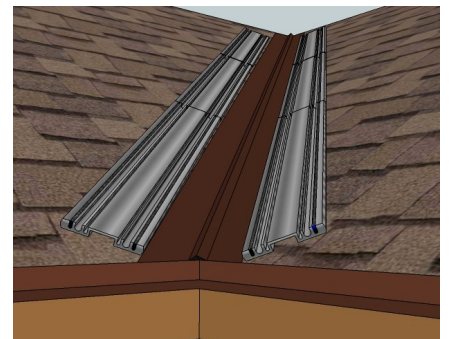
Apply a generous amount of sealant to the roof where the screw will be inserted to ensure proper sealing of the hole that will be created.



Step # 2 **Install Heating Material**

Install all heat cable or hydronic tubing into the appropriate channels into the extrusion.

HINT: If the valley changes direction, ensure sufficient space between the extrusions to allow for the cable or tubing to bend.

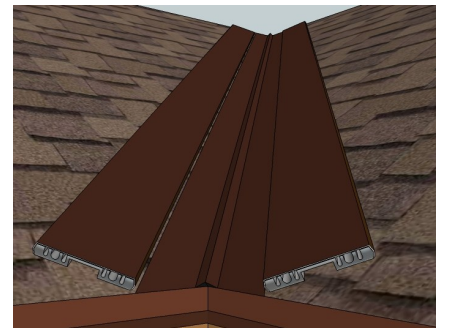


Step # 3 **Install the Valley Cladding**

Once all extrusions and heating material are placed. Install the cladding by putting downward pressure to snap over the top of the extrusion.

Install all Expansion joints with adequate sealant on the bottom side of the expansion joint to ensure no water enters into the extrusion area below.

HINT: Using extra Expansion joint covers; Fabricate the expansion joints for the top and the bottom to act as end caps for the extrusion. Notch and bend back the edges of the end cap where the cable or tubing will enter or exit. Creating a larger hole to deter damage to the outer jacket of the cable or the hydronic tubing. Sealant is recommended around those holes for protection.





Tools Needed:

- **1)** Radial arm saw or “chop saw” to cut the aluminum extrusions. A 100 tooth carbide tipped saw blade is suggested. **2)** Metal shears or “tin-snips”. **3)** Use the appropriate metal cutting blade to trim the cladding (sheet metal) as needed. **4)** Hand and/or powered screwdriver(s) with the appropriate tip(s) for the attachment screws to be used. All screws should be the flush head type (Pan Headed) for best results. **5)** A folding bar to create or modify any bends. **6)** Safety Glasses and/or any other safety equipment needed. **7)** Use all ladders in a safe & responsible manner and avoid overhead power lines.

LEGAL DISCLAIMER:

- This installation manual shows the best known method of installation at the time of the writing of this document. Heat Trace Specialists recommends all parties that install these systems to use their best judgment on common roofing and sheet metal installation methods. We only guarantee the product material supplied by Heat Trace Specialists.
- Heat Trace Specialists designed this system for certified and qualified contractors and any other licensed construction professionals. Any professional installer of these products understands that any property damage from water that entered through any penetration from the system will not hold Heat Trace Specialists or any affiliate liable for expenses or damages. All penetrations into the deck of the roof must be properly sealed and covered.
- All installers of Heat Trace Specialists’ products are legally required to install all products according to local, state and federal laws and codes.
- While installing Heat Trace Specialists’ products use all protective gear and proper tools that are recommended in electrical installation and in the construction industry. Heat Trace Specialists is not liable for any product that is installed incorrectly or damaged during the installation process.
- Because roofs and buildings are all different, Heat Trace Specialists recommends you use your best judgment when installing our products to achieve the best possible results for appearance, safety, and effective operation.
- Heat Trace Specialists does not offer instructions for every aspect of the installation process, we only offer the basics and we rely on the common knowledge and ability of the final installer to find the proper method of installation within their own industry and according to their local codes. Any installer should be trained in working with sheet metal and capable of finishing all parts and connections with the best of their ability and workmanship capabilities. Heat Trace Specialists does not warranty any workmanship of said installers and hereby is exempt from all liability.
- If any panel is being installed in an area with high winds. A few self-tapping screws can be installed on the nose of the system per section and end caps to ensure minimal damage does occur.
- Heat Trace Specialists products must be installed, operated and maintained in accordance with Heat Trace Specialists instructions. Heat Trace Specialists is not liable for damage or unsatisfactory performance of products resulting from accident, negligence, alteration, unauthorized repair, improper application or installation of the products. Heat Trace Specialists is not liable for any incidental or consequential damages.
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