



BERGER Mini Clear Polycarbonate Snow Guard Installation Instructions

The **RTMINI** can be installed using adhesive sealants, mechanical fasteners or a combination of both. Its primary design is to accommodate ribbed and flat metal.



Adhesive Recommendation: BERGER recommends Surebond Everseal (SB-190)* when using adhesive to install the **RTMINI**. This product has been proven in the industry for this particular use. Strict compliance with the manufacturer's recommendations regarding environment conditions and surface preparation will assure optimum performance. SB-190 requires 28 days (672 consecutive hours) of 50 degrees Fahrenheit, or warmer temperatures to fully cure to 2000psi shear tensile strength. If these conditions cannot be met, Surebond Everflex (SB-1800)*, a cold weather sealant that fully cures in 72 to 96 hours in temperature as low as (-20F) to 500psi shear tensile strength, should be considered. It should be noted that under certain conditions, temporary measures may need to be employed to hold the snow guard in place until initial set of adhesive has taken place.

Adhesive Attachment: All surface areas that are to come in contact with the Sealant SB-190 or SB-1800 are to be wiped with isopropyl alcohol and allowed to dry. Adhesive or sealant should be applied so as to completely cover the underside of the device before it is positioned, and sufficient compression should be created to squeeze adhesive out around its perimeter and a bead of the same material should be applied around the base to create a waterproof joint free of gaps and air pockets. One 10.3 oz tube of sealant will adhere approximately 14 guards.

Mechanical Attachment: The **RTMINI** is provided with three pre-drilled holes to accommodate a #10 Type A self-tapping fastener, (flat or oval head) with a neoprene washer for a watertight seal. The snow guard needs to be fastened into a structural member, rafter or purlin at least 1.5" through each screw point. Fastener selection should be governed by substrate and anticipated loads; stainless steel or corrosion resistant fasteners should be insisted upon.

"Screw and Glue" Attachment: The **RTMINI** may also be installed using a combination of fasteners (screw) and adhesive (glue) or a suitable high-quality silicone sealant.

VHB Tape Attachment: When using a VHB 2 sided acrylic foam tape for low load requirements, the manufacturer requires the bond contact surfaces to be cleaned with Isopropyl Alcohol and dried. Tape needs to be applied completely to the underside and compressed to eliminate any air pockets. The guard is then positioned and pressed against the roof panel until all surfaces make full contact with no gaps. Installation temperature must be 50 degrees Fahrenheit for 72 consecutive hours for bond to properly cure.

"Snowflake" slot: Each **RTMINI** is designed with a slot on the blade to accept a custom emblem or color chip. These chips can be cut and installed in the field. Slot dimensions: width 1.850"/1.860", height 2.000"/2.030" and thickness .016"/0.050".

Snow guard Placement will vary from region to region and will be influenced by roof pitch, as well as the lengths of runs and spacing between seams. Local custom may not be the best guide as to placement, and additional recommendations can be found in SMACNA and other published industry standards. Ultimately, placement should be determined by a qualified design professional.

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*Surebond Everseal and Everflex are products of Surebond, Inc.



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