BERGER Real Tool® Clear Polycarbonate
Surface Mount Snow Guard
Installation Instructions

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

Adhesive Recommendation: BERGER recommends Surebond Everseal (SB-190)* when using adhesive to install the **RTCLSM**. 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 will adhere approximately 8 to 10 guards.

Mechanical Attachment. The **RTCLSM** is provided with four pre-drilled holes to accommodate #10 Type A self-tapping fasteners, (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 **RTCLSM** may also be installed using a combination of fasteners (screw) and adhesive (glue) or a suitable high-quality silicone sealant.

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.