

## Model #650 Snow Guards

SNOW BOSS® #650 Series is constructed with durable UV resistant polycarbonate and is compatible with all non-copper metal roof systems. This Clear Polycarbonate (650C) model includes a new patent pending base design which is the latest technological advance in adhesive mounted snow guard systems. This cross hatch design strengthens adhesive grip by increasing surface area and texture, and provides for faster solvent escape, and adhesive curing. The series of evenly spaced holes in the base allow the solvents to dissipate quickly, and become "glue rivets" when the adhesive keys in the holes for a more secure application.



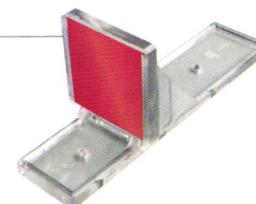
## BERGER CLEAR SNOW GUARDS - Superior Protection With An Out-Of-Sight Look! CL Snow Guard Series

Berger CL Snow Guards are manufactured in a crystal clear polycarbonate with U.V. stabilizers. There are two models of the Berger Clear Snow Guards: **RTCLSR** - Structural Ribs and **RTCLSM** - Surface Mount. The unique vent rib system allows for adhesive out gassing, which increases the shear and mechanical strength. The three to one base to blade ratio adds significantly to the shear and peel adhesion of the device to the surface. Superior engineering, along with the structured ribs, prevent common blade breakage. Berger Clear Snow Guards are well suited for mechanical attachments with washer face screws into the purlin sealed with SB-190 or fully adhered with same.



## MINI Clear Snow Guard

Berger "Mini" Clear Snow Guards are manufactured in a premium, high clarity, polycarbonate plastic. This U. V. stabilized model, **RTMINI**, provides maximum protection to fit an economical budget. The two to one base to blade ratio, the 4.5 square inch holding area, and the gusseted blade snow pocket combine to effectively retain snow. They are well suited for mechanical attachments with washer face screws into the purlin sealed with SB-190 or fully adhered with same. The RTMINI features a blade "Snowflake" slot that accepts a metal color chip or custom emblem (as shown to the right).



## Installation For Berger Clear & Snow Boss® Series Snow Guards

**Adhesive Attachment:** All surface areas that are to come in contact with SB-190 are to be cleaned 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 of the RTCLSM and RTCLSR, and 12 to 14 of the RTMINI.

**RTCLSR Preparation:** Prior to installing the RTCLSR over a minor rib using either adhesive, or mechanical attachments, remove only the section of baffle from the underside necessary to accommodate the rib. This is easily accomplished with pliers and a twisting motion, and the remaining portion of the baffle will help prevent adhesive creep. This model will accommodate a rib up to 3/16" high and 1-3/4" wide.

**Mechanical Attachment:** The RTMINI and RTCLSM are provided with pre-drilled holes, while the RTCLSR has dimples showing where to attach #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 1-1/4" 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:** Each Snow Guard may also be installed using a combination of fasteners (screw) and adhesive (glue) or a suitable high-quality non-silicone sealant.

## SB-190 High Strength Adhesive Caulk

Berger recommends Surebond Everseal (SB-190) when using adhesive to install the CL Snow Guard. This product has been proven in the industry for this particular use. SB-190 requires 28 days (672 consecutive hours) of 50 degrees Fahrenheit, or warmer temperatures to fully cure to 2000psi shear tensile strength. Berger recommends SB-190 as the strongest adhesive. In any case of adhesive bond failure, there is no warranty by Berger for the adhesive.



SB-190