



# Ice-Brakes

## Metal Snow Guards For Metal Roofs

07 72 53/EAS  
BuyLine 5291

*Designed to reduce dangerous and destructive snow and ice avalanches from metal roofs*



- Durable aluminum castings
- Reasonably priced
- Won't discolor or break
- Install without roof penetrations
- Low Profile
- Made in the USA
- Bare mill finish or powder coated colors

**“We Keep Snow and Ice in its Place!”**



By East Coast Roof Specialties,  
A Division of East Coast Lightning Equipment, Inc.

**“We Keep Snow and Ice in its Place!”**

**ICE - BRAKES**

**Avalanches Of Ice And Snow Are Dangerous And Destructive.**

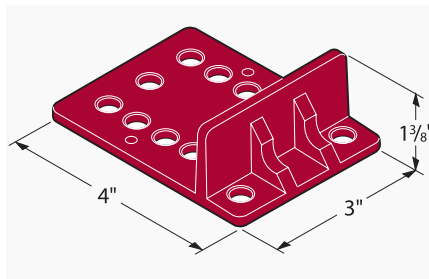
The inevitable heating and cooling of snow covered roof surfaces causes a build-up of ice that begins at the eave and works its way upward. Smooth metal roof panels create a slick surface which is prone to release built-up ice and snow in large, dangerous avalanches. Sliding ice not only tears away gutters and downspouts and damages roof-mounted equipment, but also poses a danger to pedestrians, landscape, lower roofs and equipment upon which it may land.

Ice-Brakes are designed to help hold built-up snow in place, allowing it to melt away gradually, minimizing dangerous sudden slides.

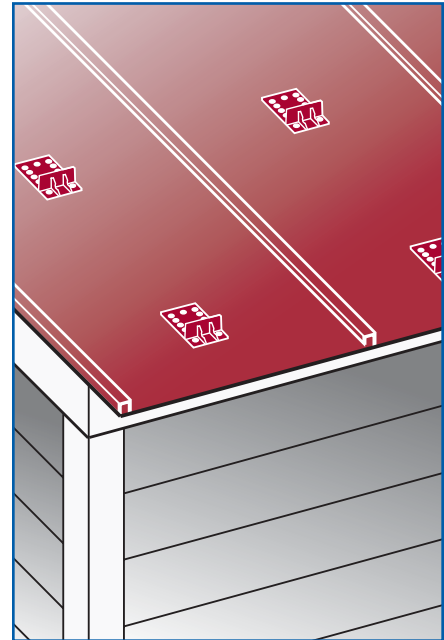
**Ice-Brakes Are Low Profile**

Ice-Brakes hold snow in place at the roof surface. Snow and ice slide against the surface of the roof not above it. Thus, snow guards need not project high into the air in order to hold snow in place. Rail type snow retention systems often offer little contact with the roof surface, sometimes permitting ice and snow to slide beneath them. Ice-Brakes stop snow slides at the source. Ice-Brakes feature a broad base and a low-profile, projecting just over 1" from the surface of the roof. Ice-Brakes cast little shadow and are less conspicuous from a distance than taller style snow guards.

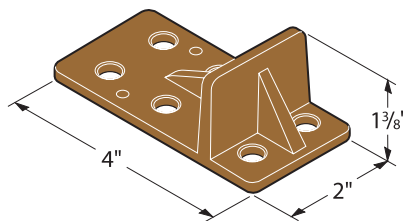
**Model SG1**



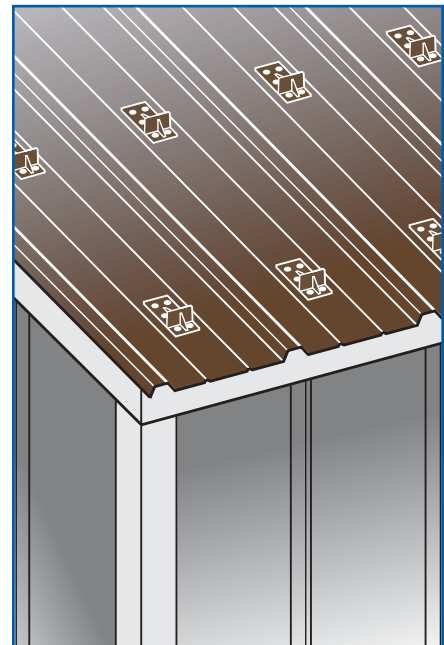
**Typical Installation**



**Model SG2**



**Typical Installation**



# ICE - BRAKES



### Variety Of Finishes

**Bare Mill Finished Aluminum** - Our most economical snow guard. Always available for immediate shipment, mill finish Ice-Brakes blend nicely with white, gray and bare metal roofs.

**Powder Coated Colors** - Ice-Brakes are available in dozens of powder-coated colors to match a variety of roofs.

**Custom Colors** - Custom colors are also available and can be matched to the roof sample you provide.

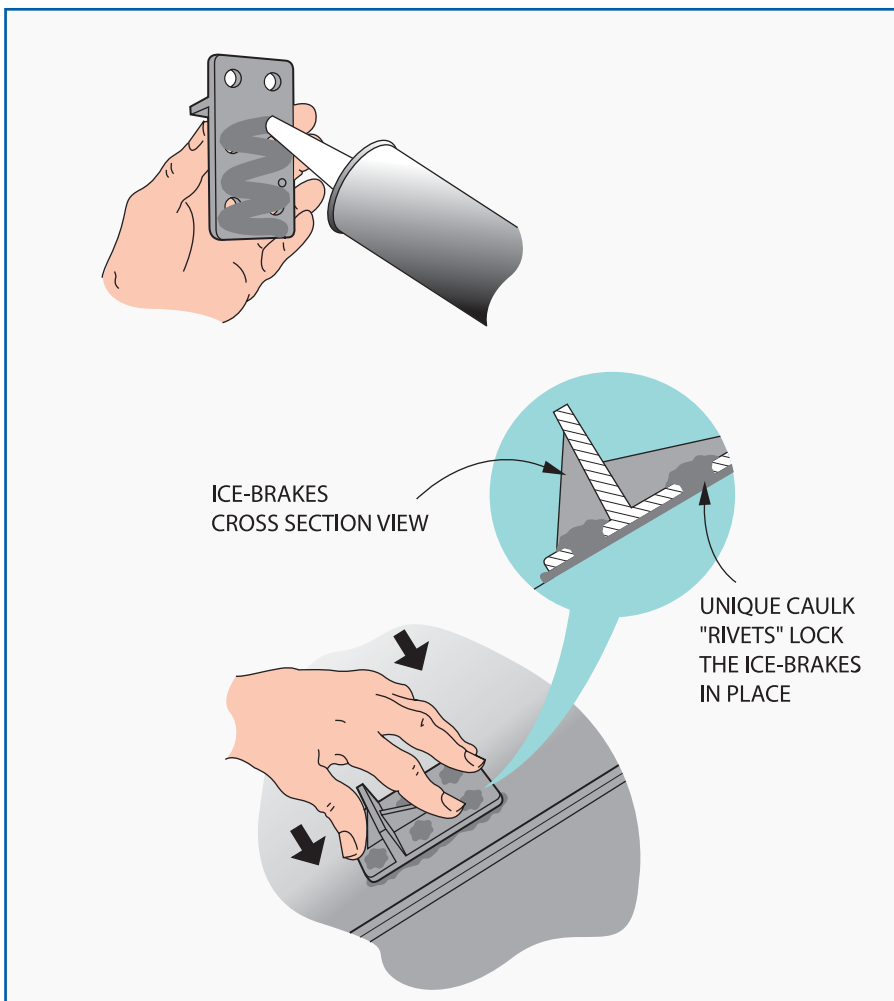
**Bronze** - IceBrakes cast in bare red bronze are compatible with cooper roof systems.

## Metal Snow Guards For Metal Roofs.

Ice-Brakes are high-quality castings fabricated of durable 319 Alloy Aluminum. Aluminum does not rust or discolor and is galvanically compatible with steel roofing materials. A snow guard should last the life of the roof on which it is installed. Ice-Brakes are guaranteed against breakage for as long as the roof is in place.

Durable, aluminum Ice-Brakes typically cost less than similar plastic snow guards, making them the product of choice for today's metal roofs.

## Adhesive Installation Technique



## No Penetration Adhesive Fastening

Ice-Brakes feature a unique pattern of holes specially designed to draw adhesives into "rivets", locking the snow guard in place. Easy to install with no roof penetrations. Adhesive fastening is the method of choice for "floating" roof systems, where mechanical attachment to structural members below the roof can interfere with the natural movement of the roof.

Note: Consult licensed architects, engineers or building officials to judge structural integrity and load capacity before installing IceBrakes. East Coast Roof Specialties and East Coast Lightning Equipment, Inc. are not responsible for determining these factors.



# Snow Retention System Specification

## PART 1 - GENERAL

### 1.1 Summary

#### A. Work Includes

1. Provide a snow retention system on all specified roof locations consisting of cast aluminum pad style snow guards. System shall be adhesively fastened to the roof.
2. Coordinate the work with the installation of the metal roofing system.
3. Provide necessary adhesive sealant compatible with roofing material and intended for outdoor rooftop conditions.

### 1.2 System Description

#### A. Components

1. Cast aluminum snow guards (select mill finish, powder coated stock colors or custom color matching.)
2. Durable adhesive such as DuraSil by Chemlink.

#### B. Design Criteria

1. Snow guard locations shall be in accordance with manufacturer's recommendations. A minimum of two rows, spaced as recommended shall be installed.

### 1.3 Submittal

- A. Submit manufacturer's specification, cut sheets and installation instructions.

### 1.4 Quality Assurance

- A. Engage the services of an installer experienced in the installation of metal roofing and snow retention systems.

## PART 2 - PRODUCTS

### 2.1 Manufacturer

- A. Ice-Brake brand snow guards as manufactured by East Coast Roof Specialties, Winsted, CT. telephone 860-379-9072

### 2.2 Materials

- A. Cast Aluminum Ice-Brake Model SG1 (large) or SG2 (small) manufactured from 319 Alloy Aluminum.
  1. Chose Bare Mill Finish, Stock powder coated colors or Custom Color Matching (Provide roofing sample to manufacturer for color matching.)
- B. Roof adhesive compatible with roofing material.

## PART 3 - PRODUCTS

### 3.1 Installation

- A. Comply with architectural drawings for locations of snow guards.
- B. Spacing and layout shall take into consideration roof-pitch, snow-load criteria in the particular geographical location.\*
- C. Roof surface shall be properly cleaned prior to application of adhesives.
- D. Weather and temperature shall be taken into account when installing adhesives to ensure proper set-up of adhesive compounds.

\* Consult licensed architects, engineers or building officials to judge structural integrity and load capacity before installing IceBrakes. East Coast Roof Specialties and East Coast Lightning Equipment, Inc. are not responsible for determining these factors.



## Hand-crafted in the U.S.A.

East Coast Roof Specialties is a Division of East Coast Lightning Equipment, Inc. For over twenty years, East Coast has been a leading manufacturer of roof-top specialty equipment. Our production facility, located in Winsted, Connecticut includes a state-of-the-art non-ferrous foundry and wide array of metal working equipment. In addition to snow guards, we manufacture a complete line of lightning protection equipment including conductors, air terminals, connectors, bases, fittings and grounding products. We also manufacture a line of beautiful cast aluminum and bronze decorative roof-top finials and spires. Our extensive production capacity enables our skilled staff to provide lightning fast service and high quality products. Nearly all of the orders we receive are filled the very same day. Our business has been built by responding to the needs of our customers. We are always available to assist with design, application and installation questions.



See our Lightning Protection Products in classification #26 41 00/EAS.

