

SNOWGUARD SPECIFICATIONS

1. GENERAL

- A. Ice and snowguards
1. Adhered to pre-finished metal roof
 - a. Universal Guard (5" x 3" x 3")
 - b. Minor Rib Guard (5" x 3" x 3")
(Step for straddling stiffening ribs)
 2. Clamped on to standing seam metal roof
 - a. Original Standing Seam Guard (5"x3"x3")
 - b. New Standing Seam Guard (3"x3"x3")
 3. Clear or Colored per Architects Specs

2. PRODUCT

- A. Acceptable manufacturer
1. POLAR BLOX, INC.
155 Gilbert Hollow Rd., Suite 3000
Hollsopple, PA 15935
Toll Free: 800-298-4328
Phone: 814-629-7397
Fax: 814-629-9090
Web Site: www.polarblox.com
E-mail: polarblox@polarblox.com
- B. Materials
1. Polycarbonate Polymer
 - a. General Electric "Lexan" Prime
 - b. Dow "Calibre" Prime
 2. Adhesive
 - a. Adhesive Mount - Surebond Sb-190

3. DESIGN CONSIDERATIONS

A. Criteria

1. Ensure all panels are securely attached to roofing structure.
2. The structure must be designed to carry additional loads created by Polar Blox snowguards.
3. Do not install Polar Blox on overhang. They should be located over bearing walls.
4. Building owners should be made aware of the possible extreme conditionals which may be created by stopping hazardous sliding of snow and ice. If the extremes are resulted they should physically remove snow and ice from the roof.

4. INSTALLATION

- A. Roof Preparation
1. Clean roof surface with isopropyl alcohol or Xylol at the location where the snowguards are to be placed.

B. Installation Options (Choose 1)

1. Adhesive Method
 - a. Cover the entire bottom surface with 1/8" thick layer of adhesive, ensure that there are no voids that will cause air pockets.
 - b. Place Polar Blox in position on clean metal roof, perpendicular to roof line. Apply firm even pressure on the guard, creating a squeeze out of excess adhesive. Use the excess adhesive to create a seal around the perimeter of the snow guard. (Use extra adhesive to create a seal if needed.)
 - c. Follow all applicable cure periods and temperatures for full cure adhesives.
2. Mechanical Installation
 - a. Cover entire bottom surface of guard with 1/8" thick layer of adhesive, ensure there are no voids that will cause air pockets.
 - b. Place Polar Blox in position on clean metal roof, perpendicular to the roof line. Apply firm even pressure to the guard.
 - c. Install guards with a minimum of 2 self-tapping screws with neoprene washers. Installer is responsible for determining length, size, and quantity required for specific application.
 - d. Use excess adhesive to create a seal around the perimeter of each guard.
3. Clamping Standing Seam Guards
 - a. Tools Needed: 3/8" Ratchet; 3/8" Socket with an Alan Wrench attachment (as sold by Polar Blox.
 - b. Place first snowguard approximately 2' from the edge of eave or above overhang. tighten sets-crews with a 20lbs of torque, do not over tighten. Set-screws should be preset to keep panel centered.
 - c. When using guards only, keep guards at even space from eaves.
 - d. When using optional ice bars, place bar in end of installed guard and place next guard on opposite end of bar, before installing guard. Continue installing in this manner until entire system is installed.
 - e. Make sure that the appropriate number of rows are installed on roof for optimum performance.

