



Polycarbonate Snow Guard 3-Part Specifications

Division 7 - THERMAL AND MOISTURE PROTECTION Section
07610 - Snow Guard for Metal Roof. ROOF ACCESSORIES Section
07710 - Prefabricated Roof Specialties

1 GENERAL

A. Ice and Snow Guards

- Adhered to prefinished metal roof
 - Sno-Gem Original Polycarbonate snow guard (5" X 5" Base) (Minimum 25 sq. inch bonding surface)
 - Sno-Gem Junior snow guard (6 1/4" X 2" Base) (Minimum 12.5 sq. inch bonding surface)
- Projected cross-sectional area perpendicular to roof slope
 - Sno-Gem Original Polycarbonate snow guard (Min. 7" snow holding area at base per unit)
 - Sno-Gem Junior snow guard (Min. 2" snow holding area at base per unit)
- Clear or integrally colored per architect requirements

2 PRODUCT

A. Acceptable Manufacturer

- SNO-GEM, INC. 4800 Metalmaster Way, McHenry, IL 60050,
Phone: 815-477-GEMS (4367),
Toll Free: 888-SNO-GEMS (766-4367),
Website: www.snogem.com

B. Materials

- Polycarbonate polymer material construction
 - General Electric "Lexan"
 - Bayer "Makrolon"
 - Durolon
 - Or approved equal
- Liquid adhesive
 - SB-190 sealant adhesive
- 3M™ Adhesive tape
 - Double coated acrylic foam tape
 - "Scotch VHB™" by 3M™ factory applied to snow guards by manufacturer
- Primer
 - Tape primer 94 to be used for adhesion of 3M™ tape to metal surface

3 EXECUTION

A. Typical Preparation

- Thoroughly clean metal roof surface area with isopropyl alcohol where snow guard is to be installed
- Contact SNO-GEM, INC for recommendations on snow guard location and spacing

B. Installation Options (Choose 1 of the following 3)

- 3M™ Adhesive Tape Installation
 - Apply thin coat of primer to roof surface
 - Peel release paper backing off adhesive tape on snow guard base
 - Place snow guard in position on metal surface, applying firm, even pressure perpendicular to roof surface
 - Apply bead of sealant around snow guard perimeter
 - Contact SNO-GEM, INC. for time periods and ambient temperatures required for full curing of 3M™ adhesive tape
- Adhesive Installation (SB-190)
 - Spread adhesive evenly across snow guard base with toothed spreading tool ensuring there are no voids which will cause air pockets
 - Place snow guard in position on metal surface, applying light, even pressure perpendicular to roof surface
 - Apply bead of adhesive around snow guard perimeter
 - Contact SNO-GEM, INC. for time periods and ambient temperatures required for full curing of liquid adhesive
- Mechanical Fastening Installation
 - Spread sealant evenly across snow guard base with toothed spreading tool, ensuring there are no voids which will cause air pockets.
 - Place snow guard in position on metal surface, applying light, even pressure perpendicular to roof surface
 - Install screws with neoprene gasket washers through pilot holes in snow guard and metal roof sheet into roof substrate. Screws to be tightened to cause approximately 50% compression in neoprene gasket
 - Two screws minimum to be installed per snow guard. Installer to determine proper length, size, and number of screws necessary for required holding strength and torque
 - Apply bead of sealant around snow guard perimeter
- Contact SNO-GEM, INC. for time periods and ambient temperatures required for full curing of liquid adhesive and adhesive tape