



Note to designer and specifier: This specification sheet is provided for your use by Sno Shield Snow Guards. Please edit to your project requirements.

**Section 07 72 53
Snow Guards**

PART 1 – GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Snow guards for installation on sloped roofing.
 - 2. Snow guards for metal roofs and metal panels.
 - 3. Non-penetrating, seam mounted snow guards for standing seam metal roofs.
 - 4. Snow guards for shingle, slate, wood, and tile roofs.
 - 5. Color-matched snow guard covers.

- B. Related Sections:
 - 1. 07310 Shingles (Asphalt, Metal, Slate, Wood) and Shakes
 - 2. 07320 Roof Tiles
 - 3. 07410 Metal Roof Panels
 - 4. 07610 Sheet Metal Roofing

1.2 SUBMITTALS

- A. Submittals for Review:
 - 1. Product Data: Manufacturers product data and installation instructions.
 - 2. Samples: One sample of each type of product to be installed including snow guard and snow guard cover (if applicable).

1.3 QUALITY ASSURANCE

- A. Installer Qualifications
 - 1. Installer to be experienced in the installation of roofing material and snow guards for not less than 5 years.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Inspect products upon delivery and order replacements for any damaged or missing parts.
- B. Store products in manufacturer's unopened packaging until ready for installation. Keep products dry, covered, and off the ground until installation.

1.5 PROJECT CONDITIONS

- A. Maintain conditions within limits recommended by manufacturer with regards to temperature, humidity, etc. for best results. Do not install products under environmental conditions outside manufacturer's fixed limits.

PART 2 – PRODUCTS

2.1 MANUFACTURER

- A. Acceptable Manufacturer: Sno Shield Inc; 3968 E Sunnyside Rd, Bldg 3, Ammon, ID. 83406; Toll Free Tel: 888-976-6744; Tel: 208-524-7371; Fax: 208-524-1041; Email: info@snoshield.com; Web: www.snoshield.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with required provisions.

2.2 MATERIALS

- A. Rib Guard: Non-penetrating snow guards for mechanical mounting over Metal Structural Rib no greater than 3/4 inch thick.
 - 1. Injection molded virgin grade polycarbonate plastic treated with UV stabilizers.
 - 2. Dimensions: 5-1/2 inches (139.7 mm) wide by 4 inches (101.6 mm) high by 5 inches (127 mm) long.
 - 3. Color: Clear, Color Injected, or used with Color Armor™ as selected by Architect.
- B. Panel Guard: For Metal (including Copper), Rubber, or PVC Roofing. Surface mounted snow guards for Mechanical, Adhesive, 2-Sided Tape, or Solder mounting.
 - 1. Injection molded virgin grade polycarbonate plastic treated with UV stabilizers.
 - 2. Dimensions: 5-1/2 inches (139.7 mm) wide by 4 inches (101.6 mm) high by 6 inches (152.40 mm) long.
 - 3. Color: Clear, Color Injected, or used with Color Armor™ as selected by Architect.
- C. Panel Guard: Surface mounted snow guards with extension strap for Mechanical mounting to Slate, Tile, Asphalt, or Wood Roofing.
 - 1. Injection molded virgin grade polycarbonate plastic treated with UV stabilizers.
 - 2. Dimensions: 5-1/2 inches (139.7 mm) wide by 4 inches (101.6 mm) high by 6 inches (152.40 mm) long with 24 gauge painted or stainless steel extension strap manufactured at custom length.
 - 3. Color: Clear, Color Injected, or used with Color Armor™ as selected by Architect.
- D. Solder Mounted Panel Guard: Surface mounted snow guards for Solder or Mechanical mounting to Copper, Lead-Coated Copper, Terne Coated Stainless Steel, and Zinc Roofing.
 - 1. Manufactured from same material as roof.
 - 2. Dimensions: 3 inches (76.2 mm) wide by 2 inches (50.8 mm) high by 3.5 inches (88.9 mm) long with extension strap manufactured at custom length.
- E. Color Armor™: Color-matched snow guard covers made from same material as roof.
 - 1. Materials (Not limited to): Copper, Lead-Coated Copper, Terne Coated Stainless Steel, Galvalume, Zinc, Aluminum, and any Painted or Finished Metal.
 - 2. Color: Limitless; manufactured from same material and finish as roof.
- F. Accessory Materials:
 - 1. Fasteners for Metal Seam Mounted Snow Guards: Stainless steel set screws with hex bit heads.
 - 2. Fasteners for Surface Mounted Snow Guards: Self-tapping screws with neoprene washers: stainless steel or corrosion resistant metal. Use in conjunction with adhesive mounting method.
 - a. For copper-based roofing materials use only copper, brass, or stainless steel fasteners; do not use aluminum or galvanized fasteners.
 - 3. Adhesive: SureBond SB-190 Everseal.

4. Tape: Acrylic, 2-sided foam type tape.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Prior to installation, confirm that:
 1. Roof system has been completely installed.
 2. Roof system is installed to withstand loads incurred by snow guard system.
 3. Snow guards will not obstruct roof drainage system.
 4. Architect and/or General Contractor has been notified of any deficiencies.

3.2 PREPARATION

- A. Prior to installation, inspect conditions to verify that surfaces are suitable for installation of snow guards and clean all surfaces to achieve best result.
- B. Adhesive Mounted Units: For SureBond SB-190 maintain a minimum of 50 degrees F for 28 days after installation (90% Strength is achieved after 12-14 days).
- C. 2-Sided Tape Mounted Units: Maintain a minimum of 32 degrees F (0 C) for at least 48 hours after installation.

3.3 INSTALLATION

- A. Install system in accordance with manufacturer's installation instructions and approved architectural drawings.
- B. Seam Mounted Units: Place snow guard over roof panel seams. Tighten set screws to proper torque in accordance with manufacturer's installation instructions.
- C. Adhesive Mounted Units: Clean contact area thoroughly with isopropyl alcohol and allow to dry completely before installation. Apply sealant evenly across entire underside of snow guard base. Place snow guard in desired position and press down to squeeze adhesive out along perimeter of snow guard. Run a bead of sealant around the edge of the base to properly waterproof and fill any voids.
- D. Mechanical Mounted Units: Install snow guard in accordance with adhesive mounted instructions. Attach snow guard to roof using self-tapping screws or appropriate fasteners to screw through pre-drilled holes in the base. Apply sealant to fastener heads and base of unit.
- E. Mechanical Mounted Units with Extension Strap: If necessary, cut extension strap to desired length and pre-drill holes in strap. Place snow guard in desired position according to manufacturer's instructions. Use proper fasteners to attach the extension strap to the roof deck. Apply a bead of sealant over fastener heads if necessary.
- E. Solder Mounted Units: Tin the base of the snow guard. Flux and tin the area where the snow guard will be placed. Place the snow guard in the desired location and heat snow guard sufficiently to melt solder on panel and base. Allow to cool in place.
- F. Tape Mounted Units: Apply primer on contact area for optimal adhesion. Remove backing from tape on base of snow guard. Press snow guard in place while applying firm, even pressure. Apply a thin bead of sealant around base.

END OF SECTION

Snow Guards

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