

## FUSION-GUARD-11 Specification Sheet Snow Guards

### PART 1 – GENERAL

#### 1.1 SUMMARY

##### A. WORK INCLUDES

1. FUSION-GUARD-11 snow guard that attaches directly to roof deck.
2. Coordinate with roof installation to assure proper placement of snow guards.
3. Provide appropriate snow guard and fasteners for roof system.

##### B. RELATED SECTIONS

- |   |                            |
|---|----------------------------|
| 1. Section 076000: Flashing and Sheet Metal | MasterFormat 2016 07 60 00 |
| 2. Section 073100: Shingles and Shakes      | MasterFormat 2016 07 31 00 |
| 3. Section 077200: Roofing Accessories      | MasterFormat 2016 07 72 00 |
| 4. Section 077253: Snow Guards              | MasterFormat 2016 07 72 53 |

#### 1.2 SYSTEM DESCRIPTION

##### A. COMPONENTS

Bracket: A snow guard assembly that consists of individual metal snow guards.

1. FUSION-GUARD-11
2. FUSION-SLEEVE (retrofit applications only)

Bracket Accessories (for use only with 3/8" rod/pipe): Rod/pipe, attachment rod bracket, and rivets that allows installer to use as a hybrid pad/rod-style snow guard system.

1. RD77 (3/8" rod) or PP77 (pipe)
2. FUSION-GUARD-ROD BRK Rod Bracket
3. R-POP SS 3.0X6.0 Rivet

##### B. ROD/PIPE ACCESSORIES:

1. RD87, external couplings
2. RD65, end collars
3. RD95, ice flags (optional)

##### C. DESIGN REQUIREMENTS:

1. Spacing to be recommended by the manufacturer or building engineer.
2. Install 2 fasteners per snow guard.
3. It is important to design new structures or assess existing structures to make sure they can withstand retained snow loads.
4. When used with 3/8" rod/pipe, a break in the assembly is required every 48-feet and rod/pipe have a 6-inch maximum allowable overhang from end bracket.

#### 1.3 SUBMITTAL

A. Submit manufacturer's specifications, standard detail drawings, installation instructions, and recommended layout.

#### 1.4 QUALITY ASSURANCE

A. Installer to be experienced in installation of specified roofing material and snow guards for not less than 5 years in the area of the project.

#### 1.5 DELIVERY / STORAGE / HANDLING

A. Inspect material upon delivery and order replacements for any missing or defective items. Keep material dry, covered and off the ground until installed



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### PART 2 – PRODUCTS

#### 2.1 MANUFACTURER

A. Alpine SnowGuards®, a Division of Vermont Slate & Copper Services, Inc.  
289 Harrel St., Morrisville, VT 05661 | 888-766-4273 | [www.alpinesnowguards.com](http://www.alpinesnowguards.com)

#### 2.2 MATERIALS

- A. FUSION-GUARD-11(choose one)
  - 1. DC01 Galvanized Cold Rolled Steel (CRS) – 0.059” thickness
  - 2. Copper – .039” thickness snow guard head, .064” thickness strap
- B. FUSION-SLEEVE
  - 1. DC01 Galvanized Cold Rolled Steel (CRS) – 0.059” thickness

#### 2.3 ACCESSORY MATERIALS

- A. FUSION-GUARD-ROD BRK – 304 Stainless Steel
- B. R-POP SS 3.0X6.0 – 304 Stainless Steel
- C. Rod (RD77) or Pipe (PP77) (choose one)
  - 1. 304 Stainless Steel
  - 2. 6061 Aluminum, 3/8” diameter pipe
- D. External Couplings (RD87). External and exposed coupling, which can also serve as an expansion mechanism 3” long
  - 1. 304 Stainless Steel, 3/8” diameter
- E. End Collars (RD65) (choose one):
  - 1. 304 Stainless Steel
  - 2. 6000 Series Aluminum (for powder-coated systems only)
- F. Ice Flags (RD95) [3” wide x length (as needed)]:
  - 1. 304 Stainless Steel

#### 2.4 FINISH (choose one):

- A. DC01 Galvanized Cold Rolled Steel (CRS)
  - 1. Powder Coated Dark Bronze
  - 2. Powder Coated Graphite Grey
  - 3. Mill-finish
- B. Copper
  - 1. Mill-finish

### PART 3 – EXECUTION

#### 3.1 EXAMINATION

- A. Substrate
  - 1. Inspect structure on which snow guard system is to be installed and verify it will withstand any additional loading that it may incur. Notify general contractor of any deficiencies before installing Alpine SnowGuards’ products.
  - 2. Verify roofing material has been installed correctly prior to installing snow guards.

#### 3.2 INSTALLATION

- A. Comply with architectural drawings and snow guard manufacturer’s recommendations for location of system. Comply with manufacturer’s written installation instructions for installation and layout.

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