



## PP225 (All Metals and Applications) Specification Sheet Snow Guards

### PART 1 – GENERAL

#### 1.1 SUMMARY

##### A. WORK INCLUDES

1. PP225 Snow guard that attaches directly to roof deck.
2. Coordinate with installation of the roof to assure proper placement of snow guards.
3. Provide appropriate snow guard and fasteners for roof system

##### B. RELATED SECTIONS

1. Division 1: General Requirements
2. Division 7: Thermal and Moisture Protection
  - a. Section 07600: Flashing and Sheet Metal MasterFormat 2016 07 60 00
  - b. Section 07310: Shingles MasterFormat 2016 07 31 00
  - c. Section 07320: Roofing Tiles MasterFormat 2016 07 32 00
  - d. Section 07720: Snow Guards MasterFormat 2016 07 72 00

#### 1.2 SYSTEM DESCRIPTION

##### A. COMPONENTS

Base: A base plate with two 5/16"-18 x 3/4" flat head bolts welded into countersinks.

1. BASE SS 6X12-200 or BASE SS 8X12 OR LARGER

Bracket: An adjustable three pipe bracket assembly with two through holes in its base to accept 5/16" base plate studs. Bracket assembly components vary by bracket material – see assembly drawings for full component list.

1. PP225-AL-UPKIT (aluminum) or PP225-BR-UPKIT (brass) or PP225-SS-UPKIT (stainless steel)
2. W-NEO SS-.313, stainless steel and EPDM bonded washer
3. N-FL SS-.313-18, stainless steel flange nut

Fasteners: not included, to be compatible with chosen roof application and meet specified pull-out values as shown in load test data

1. To be of metal compatible with snow guards.
2. Fasteners should be selected for compatibility with roof deck.
3. Fastener strength should exceed or be equal to that of snow guard system

##### B. ACCESSORIES

1. PP75, tubing
2. Couplings
  - a. PP84, external
  - b. PP86, internal
3. PP65, end collars
4. PP56, end caps
5. PP95, ice flags, optional
6. PP98, ice screen, optional



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### **C. DESIGN REQUIREMENTS**

1. Spacing to be recommended by manufacturer or building engineer.
2. Install a minimum of 4 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.

### **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.

## **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. BASE 6x2-200 or BASE 8x12 OR LARGER**

1. Stainless Steel- 11 Gauge 304 Stainless Steel with two 5/16" 304 Stainless Steel bolts welded into countersinks.
2. Brass- 1/8" 260 Brass with two 5/16" 304 Stainless Steel Bolts welded into countersinks.

#### **B. PP225-AL-UPKIT**

1. 5000 Series Aluminum

#### **C. PP225-BR-UPKIT**

1. 260 Brass

#### **D. PP225-SS-UPKIT**

1. 304 Stainless Steel

#### **E. W-NEO SS-.313**

1. Stainless Steel and EPDM

#### **F. N-FL SS-.313-18**

1. Stainless Steel

### **2.3 ACCESSORY MATERIALS**

#### **A. PP75, tubing (choose one)**

1. 6000 Series Aluminum
2. 304 Stainless Steel
3. 272 Brass

#### **B. Couplings (choose one)**

1. PP84, external
  - a. 6000 Series Aluminum



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- 2. PP86, internal
  - a. 6000 Series Aluminum
  - b. 304 Stainless Steel
  - c. 300 Brass
- C. PP56, end caps (choose one)
  - 1. 304 Stainless Steel
  - 2. Brass Plated Stainless Steel
- D. PP65, end collars (choose one)
  - 1. 6000 Series Aluminum
  - 2. 304 Stainless Steel
  - 3. C230 Brass
- E. PP95, ice flags, optional (choose one)
  - 1. 6000 Series Aluminum 3" wide x length (as needed)
  - 2. 304 Stainless Steel
  - 3. 260 Brass
- F. PP98, ice screen (choose one)
  - 1. 304 Stainless Steel
  - 2. 260 Brass
- 2.4 FINISH (choose one)
  - A. Mill Finish – standard
  - B. Powder Coated – available at additional cost

### **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 that 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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