



QUALITY BUILDING PRODUCTS SINCE 1874

## MJ Mullane Fit Rite - FR121ML – 2 Pipe Brackets with Steel Base Plate Snow Guard for Slate/Tile/Composite Roofing

### Snow Guards

#### PART 1 - GENERAL

##### 1.1 SUMMARY

###### A. WORK INCLUDES

1. FR121ML snow guard that attaches directly to the roof
2. Provide appropriate snow guard and fasteners for the roof system.

###### B. RELATED SECTIONS

1. Section 07310: Shingles, MasterFormat™2004 07 31 00
2. Section 07320: Roofing Tiles, MasterFormat™ 2004 07 32 00
3. Section 07410: Metal Roof Panels, MasterFormat™2004 07 41 10
4. Section 07600: Flashing and Sheet Metal, MasterFormat™ 2004 07 60 00
5. Section 07610: Sheet Metal Roofing, MasterFormat™2004 07 61 00
6. Section 07613 Standing Seam Metal Roofing, MasterFormat™ 2004 07 61 13
7. Section 07720: Roof Accessories, MasterFormat™2004 07 72 00
8. Division 7: Thermal and Moisture Protection

##### 1.2 SYSTEM DESCRIPTION

###### A. COMPONENTS:

1. FR121ML - Snow guard system consists of snow guard brackets assembled with (2) galvanized steel bolts, nuts and washers, riveted to base plate. Width and Length of plate to match size of roofing material.
2. Tubing (Snow Fence).
3. Couplings.
4. End Caps.

5. Fasteners
- 6 Sealant (if required by roof manufacturer).
  - a. To be roof manufacturer approved.

## B. DESIGN REQUIREMENTS:

1. Bracket spacing to be recommended by snow guard manufacturer or building engineer.
2. Minimum six (6) fasteners per snow guard.
3. It is important to design new structures or assess existing structures to make sure that they can withstand retained snow loads.

## 1.3 SUBMITTAL

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

## 1.4 QUALITY ASSURANCE

- A. Installer to be experienced in the installation of specified roofing material and snow guards for no 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 items. Keep material dry, covered and off the ground until installed.

## PART 2 – PRODUCTS

### 2.1 MANUFACTURER

- A. Berger Building Products, Inc. 805 Pennsylvania Blvd.; Feasterville, PA 19053; Tel: 800-523-8852; Email: [Info@BergerBP.com](mailto:Info@BergerBP.com), Web: [www.bergerbp.com](http://www.bergerbp.com)

### 2.2 MATERIALS

- A. Snow Guard Bracket FR121ML
  1. Castings: Galvanized Malleable Iron MI Class 32510, ASTM A4. Zinc Coating: Zinc Clear Bake w/Seal LB PR, ASTM B6333, TY, SC3.



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2. Base Plate: (0.125") Galvanized Steel A1011 CS/B, Rivets (4): 0.50" Flat Head Aluminum. Width and Length of plate to match size of roofing material
- C. Tubing:
1. Galvanized Steel (GLP800-10), 0.80" ID, ASTM 530
- D. Couplings:
1. Galvanized Steel (GLCON800), 0.80" ID, ASTM 530
- E. End Caps:
1. Galvanized Steel (GLPEC800), 0.80" ID, ASTM 530
- F. Fasteners (can be purchased from others) to be compatible with chosen roof application and meet specified pull out values as shown in load test data.
- 2.3 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 that it will withstand any additional loading that it may incur. Notify general contractor of any deficiencies before installing Berger Snow Guards.
  2. Verify that roofing material has been installed correctly prior to installing snow

### 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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