

SNOWMAX-MEMBRANE Specification Sheet

PART 1 – GENERAL

1.1 SUMMARY

A. WORK INCLUDES

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

B. RELATED SECTIONS

1. Section 07600: Flashing and Sheet Metal. MasterFormat™ 2004 07 60 00
2. Section 07500: Membrane Roofing. MasterFormat™ 2004 07 50 00
3. Division 1: Administrative and procedural requirements.
4. Division 7: Thermal and Moisture Protection.

1.2 SYSTEM DESCRIPTION

A. COMPONENTS:

Bracket: An aluminum mounting bracket with a dovetail shape to interface with the SnowMax-Bar, two through holes to accept the 5/16" base plate studs, and a 3/8" tapped hole to accept the stainless steel flat head bolt and lock washer that secures the SnowMax-Bar to the mounting bracket.

1. SMX-F202 DOVETAIL
2. B-FLT SS-M12X1.75X25
3. W-LOCK SS-.5

Base: A stainless steel base plate with *two* 5/16"-18 stainless steel hex nuts and *two* 5/16" diameter bonded stainless steel and EPDM washers for attaching the mounting bracket to the base plate.

4. EF-65-BASE-SS
5. N-HX SS-.313-18
6. W-NEO SS.313



Bar: An aluminum bar (8' length) that attaches to the mounting bracket via the dovetail, flat head bolt, and lock washer. It contains a 2" tall slot for optional color insert strip.

7. SNOWMAX-BAR
8. SNOWMAX-CI (OPTIONAL)

Flashing (Sold Separately): A Flashing Patch of appropriate size, material and method of installation to meet roof manufacturer's requirement for proper flashing.

9. TARGET PATCH FLASHING

Fasteners

- a. To be of metal compatible with snow guards.
- b. Fasteners should be selected for compatibility with the roof deck.
- c. Fastener strength should exceed or be equal to that of the snow guard system.

B. DESIGN REQUIREMENTS:

1. Spacing to be recommended by manufacturer or building engineer.
2. Install a minimum of 7 fasteners per snow guard base plate.
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, installation instructions, and recommended layout.

1.4 QUALITY ASSURANCE

- A. Installer to be experienced in the 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.

2.2 MATERIALS

1. SMX-F202 DOVETAIL – 6000 Series Aluminum
2. B-FLT SS-M12X1.75X25 – A2 Stainless Steel
3. W-LOCK SS-.5 – 18.8 Stainless Steel
4. EF-65-BASE-SS – 11 Gauge 304 Stainless Steel with two 5/16" 304 Stainless Steel bolts welded into countersinks
5. N-HX SS-.313-18 – 18.8 Stainless Steel
6. W-NEO SS.313 – 18.8 Stainless Steel and EPDM
7. SNOWMAX-BAR – 6000 Series Aluminum
8. SNOWMAX-CI – .032 Aluminum
9. TARGET PATCH FLASHING – (Follow roof manufacturer's specifications)

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

PART 3 – EXECUTION

3.1 EXAMINATION





A. Substrate

1. Inspect structure on which the brackets are to be installed and verify that it will withstand any additional loading that it may incur. Notify general contractor of any deficiencies before installing Alpine SnowGuards.
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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