



PD11 and PD110F-CU Pad-Style Snow Guard Submittal Document Set

ROOF TYPES

- Existing Cedar Shingle
- Existing Composition (Asphalt) Shingle
- Existing Slate
- Existing Synthetic Shake or Slate (For synthetic materials $\leq 3/8$ " thickness)

AVAILABLE MATERIALS

- Aluminum (AL)
- Copper (CU)
- FreedomGray™ (FG)
- Lead Coated Copper (LC)
- Rheinzink® (ZN)

AVAILABLE FINISHES

- Pre-Painted Kynar® Stock Colors

FEATURES/ADVANTAGES

- Fits slate 16" - 20" in length
- Pad area is 2 3/8" L x 2 3/8" W (at widest point) x 1 7/16" H
- Standard strap length is 15 5/8"
- Sleeve slides down to cover fasteners
- Our riveted "fish head" design means optimum strength with no risk of unfolding
- Ease of installation with a "slate rip" or similar tool - just slide under the upper lying course of shingles
- Allows snow and ice to drop off in small amounts or melt completely
- Protects against snow damage at the lower roof level (gutters, valleys, crickets, roof protrusions, plumbing vents, etc) and at ground level (cars, people, landscaping, pets, walkways, ground-mounted mechanical units)
- Also available with Fleur-de-lis embellishment (SKU: PD110F-CU, Copper only)



Cut Sheet - PD11

1. Installation to be completed in accordance with manufacturer's written specifications and installation instructions.
2. See spec sheet or contact manufacturer for detailed material, finishes, and configuration options.
3. Contact manufacturer for detailed layout.
4. Do not scale drawings.
5. Subject to change without notice.
6. For patent information, visit our [Patent Page](#).

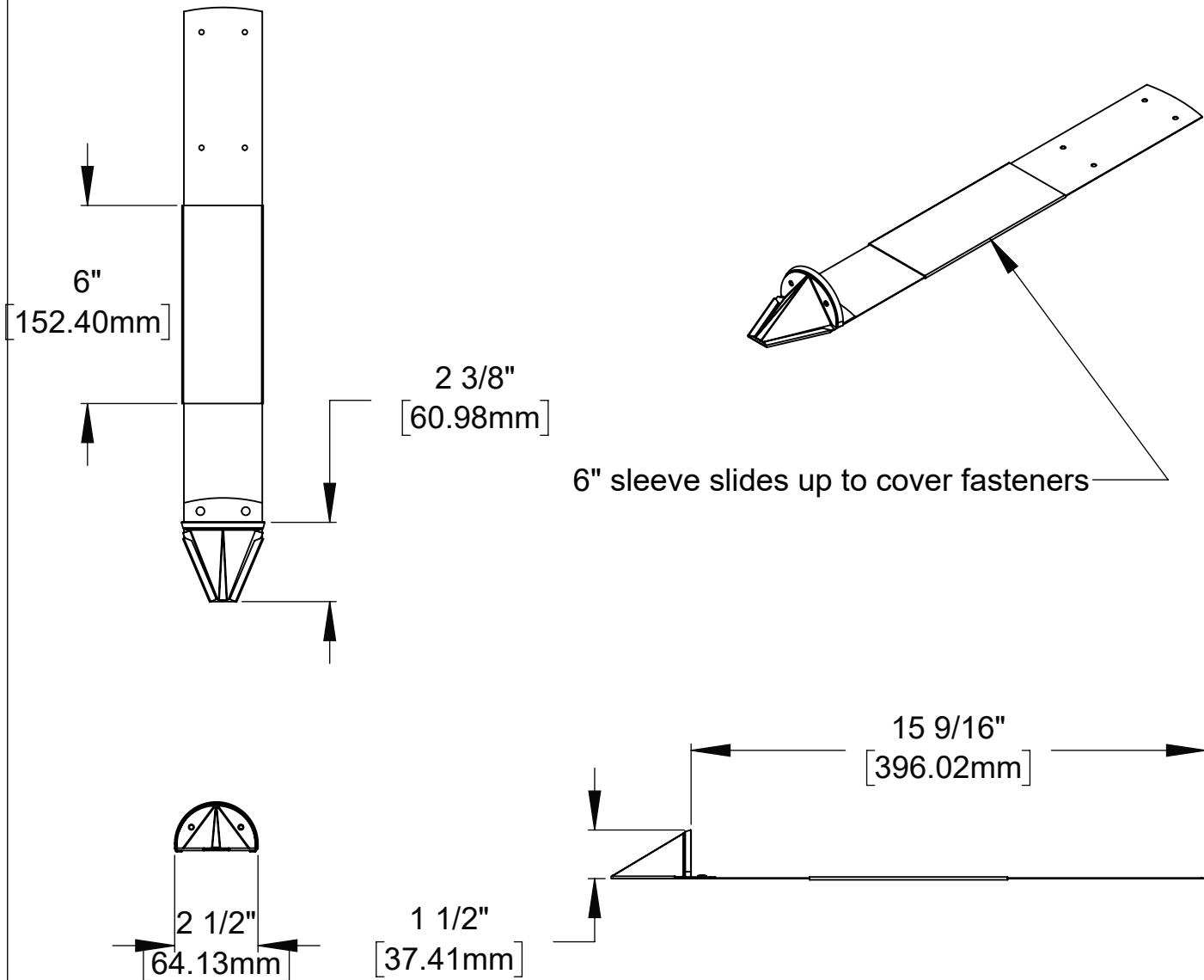
Available Materials

- | | |
|--|---|
| ☐ Aluminum | ☐ Lead-Coated Copper |
| ☐ Copper | ☐ Rheinzink® |
| ☐ Freedom Gray™ | |

*Some materials may have a 3rd button connecting cap and gusset to strap

Available Finishes

- | |
|---|
| ☐ Mill Finish (Standard) |
| ☐ Pre-Painted Aluminum
(Firestone UnaClad Kynar Color: _____) |
| ☐ Powder Coated
(Tiger Drylac RAL# _____) |



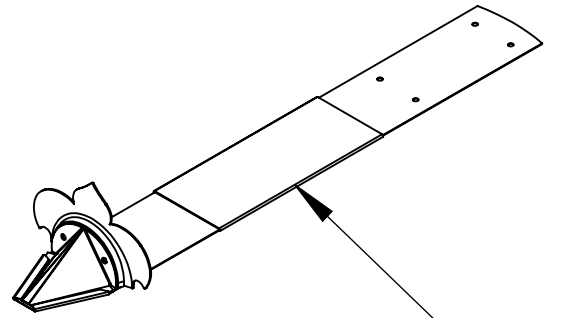
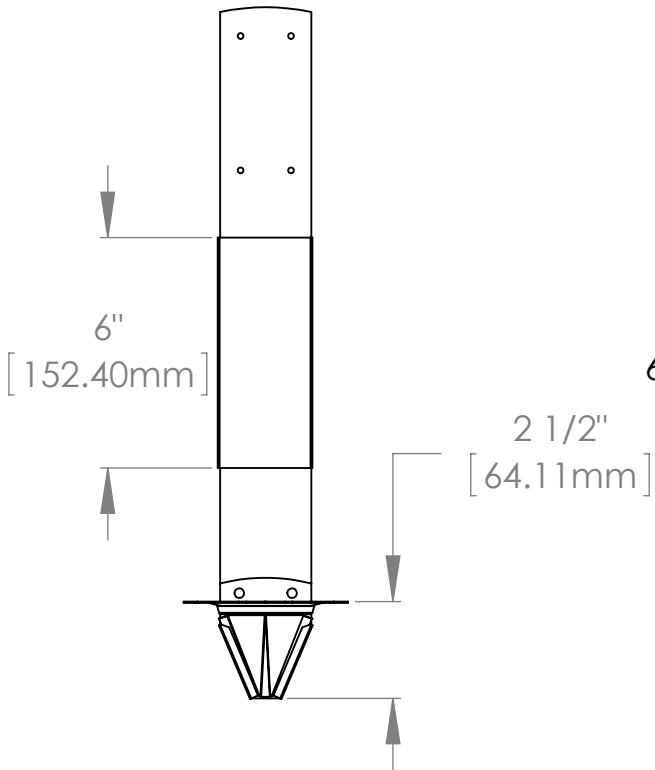
289 Harrel Street
Morrisville, VT 05661
Phone: 1.888.766.4273
Fax: 1.888.766.9994
Email: Info@alpinesnowguards.com

Scale: 1:5

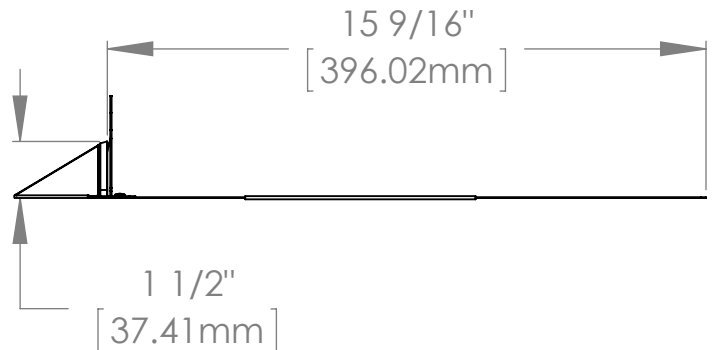
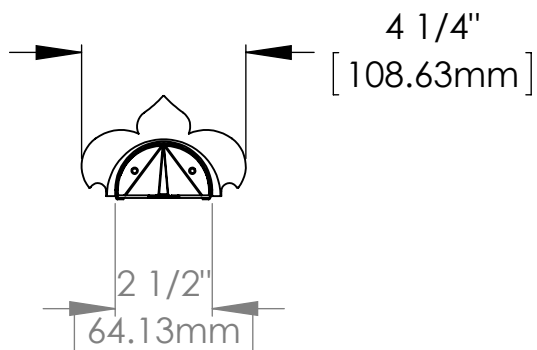
4/14/2023

Cut Sheet - PD110F-CU

1. Installation to be completed in accordance with manufacturer's written specifications and installation instructions.
2. See spec sheet or contact manufacturer for detailed material, finishes, and configuration options.
3. Contact manufacturer for detailed layout.
4. Do not scale drawings.
5. Subject to change without notice.
6. For patent information, visit our [Patent Page](#).



6" sleeve slides up to cover fasteners



289 Harrel Street
Morrisville, VT 05661
Phone: 1.888.766.4273
Fax: 1.888.766.9994
Email: Info@alpinesnowguards.com

Scale: 1:3

10/27/2020



PD11 and PD110F-CU Specification Sheet Snow Guards

Part 1 – GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. PD11 and PD110F-CU gusseted snow guard with metal sleeve 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 073200: Roof Tiles | MasterFormat 2016 07 32 00 |
| 4. Section 077253: Snow Guards | MasterFormat 2016 07 72 53 |

1.2 SYSTEM DESCRIPTION

A. COMPONENTS

1. PD11 and PD110F-CU snow guard system consists of individual metal snow guards.
2. Fasteners
 - a. To be of metal compatible with snow guards.
 - b. Fasteners should be selected for compatibility with roof deck.
 - c. Fastener strength should exceed or be equal to snow guard system.

B. DESIGN REQUIREMENTS

1. Spacing to be recommended by manufacturer or building engineer.
2. Minimum 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.

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.



PD11 and PD110F-CU Specification Sheet Snow Guards

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

- A. Copper – Strap, cap and gusset are 16 oz copper. Fleur-de-lis embellishment is *only* available in copper and has a minimum material thickness of .040.
- B. Lead-Coated Copper – 16 oz lead-coated copper.
- D. Aluminum – .032 aluminum.
- E. Freedom Gray™ – 16 oz tin-zinc coated copper.
- F. Rheinzink® – .8mm Rheinzink®.

2.3 FINISH (choose one)

- A. Mill Finish – standard.
- B. Powder Coated – available at additional cost.
(Not available for PD110F-CU)
- C. Kynar 500® pre-painted coil – aluminum only.
(Not available for PD110F-CU)

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 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.

Document Version 04.26.23
07 72 53 Snow Guards

PD11 and PD110F-CU Snow Guard Installation Instructions

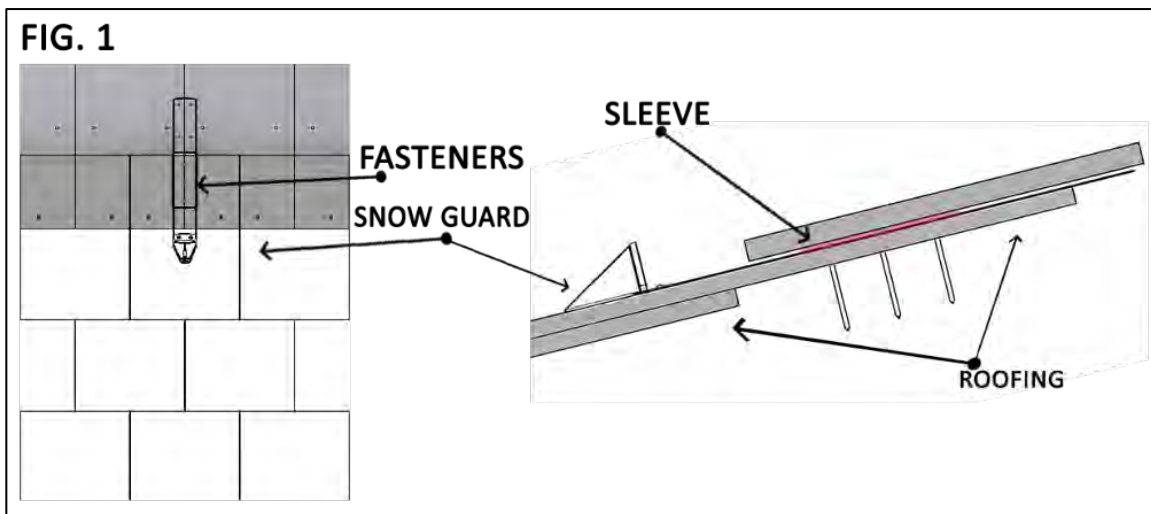
ROOF TYPES

- Existing Cedar Shingle (shown)
- Existing Composition (Asphalt) Shingle
- Existing Slate
- Existing Synthetic Shake or Slate (For synthetic materials $\leq 3/8$ " thickness)

INSTALLATION

Note: The PD11 is always installed between two slates or shingles.

1. Slide sleeve onto the bottom of snow guard strap.
2. Insert snow guard between the 3rd and 4th rows of roofing material, centering the strap over the joint of the course of roofing material above (fig. 1).
3. Insert 3 fasteners in a vertical line through the snow guard strap, through the slate or shingle, and into the roof deck. **Note:** For easier access to the snow guard strap, it may be useful to pry upper courses of roofing materials apart.
4. Fastener heads should be as flush as possible with the snow guard strap (a nail set or flat head screw driver may help), and covered with an acceptable sealant.
5. Slide the counter-flashing sleeve up into place over the fastener heads so that the top of the sleeve is under the course of shingles above. **Note:** To help the sleeve slide easier, it may help to spray the strap with silicone (avoid oil-based products that may run.) The sleeve is held in place by friction and the sealant used on the fastener heads.



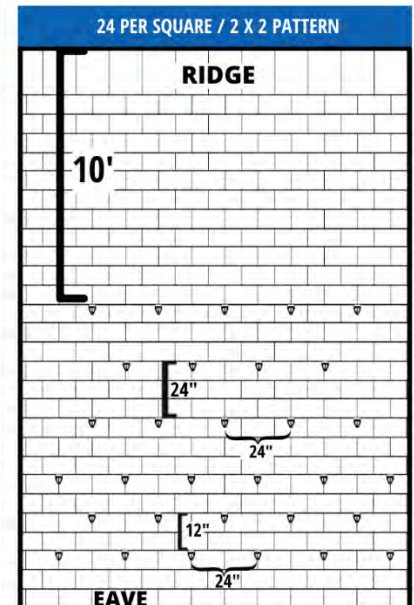
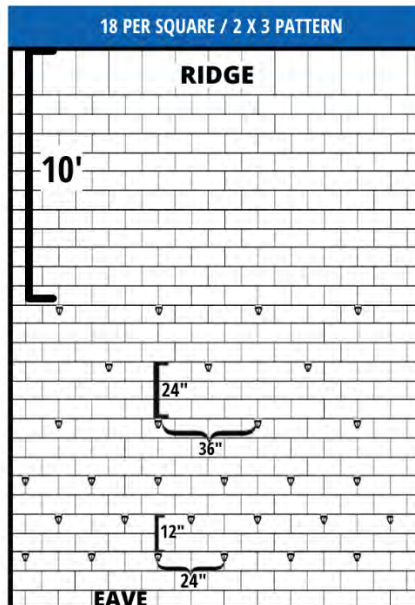
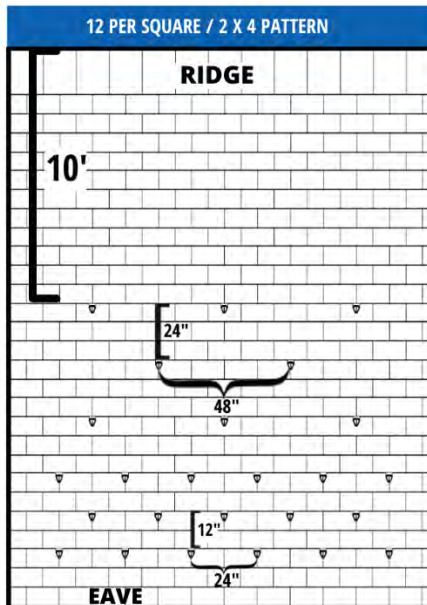
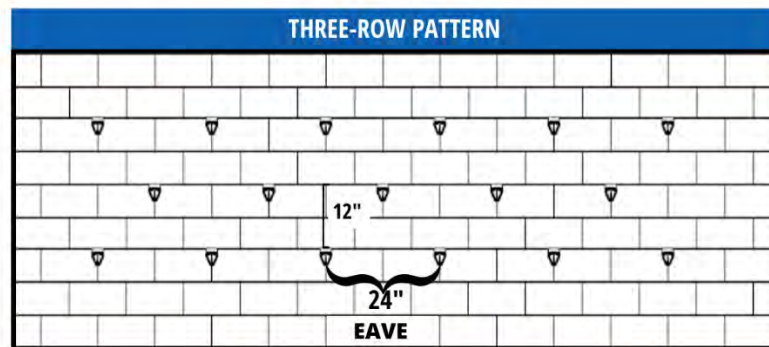
PD11 and PD110F-CU Snow Guard Installation Instructions

STANDARD SNOW GUARD LAYOUT OPTIONS

IMPORTANT: All layouts begin with a 3-row pattern. Estimated quantities provided include 3-row pattern. If you have any questions, please contact us at 888-766-4273.

Please use the guidelines below to determine the appropriate layout for your installation.

PAD LAYOUT GUIDELINES					
Layout	Rafter Length	Ground Snow Load (PSF)	Roof Pitch	Est. Snow Guard QTY.	Spacing
3-Row Pattern	15' or Less	60 psf or Less	16/12 or Less	17 per 10' of Eave	3 rows, 24" on center horizontally with middle row staggered 12"
2 x 4 Pattern	Greater Than 15'	60 psf or Less	16/12 or Less	12 per roofing square	Space rows 2' vertically and 4' horizontally to within 10' of the ridge.
2 x 3 Pattern	Any	61 - 90 psf	16/12 or Less	18 per roofing square	Space rows 2' vertically and 3' horizontally to within 10' of the ridge.
2 x 2 Pattern	Any	91 - 120 psf	16/12 or Less	24 per roofing square	Space rows 2' vertically and 2' horizontally to within 10' of the ridge.



Document Version 3.14.2023
Snow Guards 07 72 53



Snow Guard Maintenance

Our snow guards must be inspected annually. Any defects or damage in materials and/or workmanship must be reported to Alpine SnowGuards immediately. Seller will not be responsible for snow guard systems that have not been properly maintained.

- Ensure snow guard brackets, accessories & components are intact, have not been displaced, and show no signs of damage or wear.
- Inspect fasteners into roof deck.
- Inspect snow guard-related waterproofing and replace or repair where necessary to ensure roof integrity.
- Snow accumulation on roofs and rooftop solar panels must be removed to avoid damage to the roof or panels, the building structure, and anything below. Heavy snowfalls, drifting, and the gradual accumulation of snow and ice can lead to less-than-ideal snow guard performance.
- Check each clamp set screw with a torque wrench to ensure proper fastening has been maintained (clamp-to-seam models).
- Inspect sealant, tape, and adhesive. Remove and replace as needed.

Document Version 04.15.24

Pre-Painted Kynar® Stock Colors Pad Style Snow Guards and SnowMax Color Insert Strips



UNA-CLAD™ METAL
COLOR SELECTION

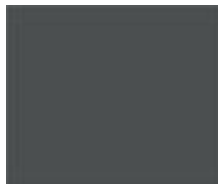
Double-Sided Stock Colors



Colonial Red (51)



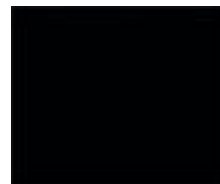
Classic Copper (75)



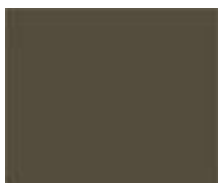
Charcoal Gray (05)



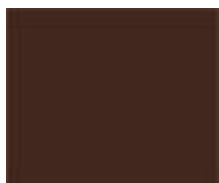
Slate Gray (03)



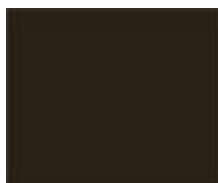
Matte Black (69)



Medium Bronze (66)



Mansard Brown (81)

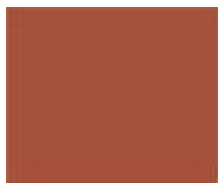


Dark Bronze (57)



Hartford Green (33)

Single-Sided Stock Colors



Terra Cotta (54)



Patina Green (39)



Hemlock Green (36)



Teal (21)



Brandywine (45)



Dark Ivy (42)



Compatible Pad Style & SnowMax Fence Style Snow Guards

Pad Style: PD10, PD10R, PD11, PD21, PD30, PD30Z, PD40, PD40R, PD41

Fence Style: SnowMax-Corrugated, SnowMax-Standing Seam,
SnowMax-Membrane 1.5 and Solar SnowMax-Universal

Other Pad Style Material Options

Aluminum (AL) Copper (CU) Freedom Gray™ (FG) Lead-Coated Copper (LC) Rheinzink® (ZN)

Mill Finish aluminum pad-style snow guards can also be powder coated with
RAL TIGER Drylac® Exterior Powder Coatings for an additional charge.