

PP125 Pipe-Style Snow Guard Submittal Document Set

ROOF TYPES

- New / Existing Slate
- New / Existing Synthetic Slate
- New / Existing Composition Shingle
- New / Existing Cedar Shingle

AVAILABLE MATERIALS

- Aluminum with Stainless Steel Base Plate (AL) (SS)

AVAILABLE FINISHES

- Mill Finish
- Powder Coating (additional charge) using RAL TIGER Drylac® Exterior Colors



FEATURES/ADVANTAGES

- Bracket measures 6" L x 4" W x 5 1/8" H
- Stainless Steel Base Plate available in multiple sizes (see "Base Plate Sizes" tab)
- 3 configurations include 2-Pipe, 3-Pipe, 2 Hi-Pipe (Hi-Hole)
- All configurations accept 1" OD Pipe (Tubing)
- All configurations are compatible with the use of Ice Flags and Ice Screens
- Internal and External Couplings, End Collars and End Caps are available for this system



Cut Sheet - PP125 (6"x12" Base) (All Configurations)

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

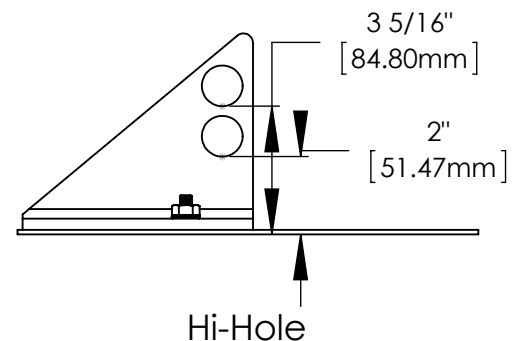
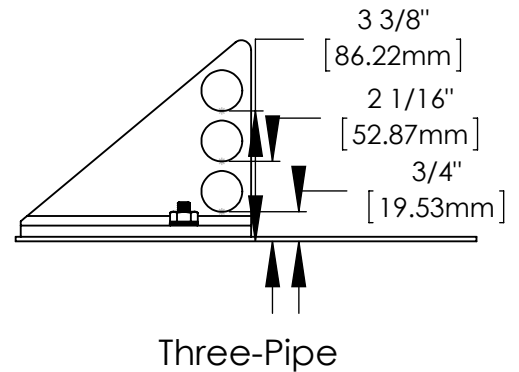
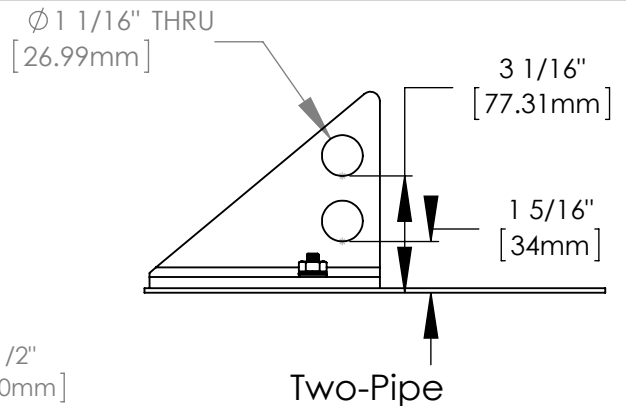
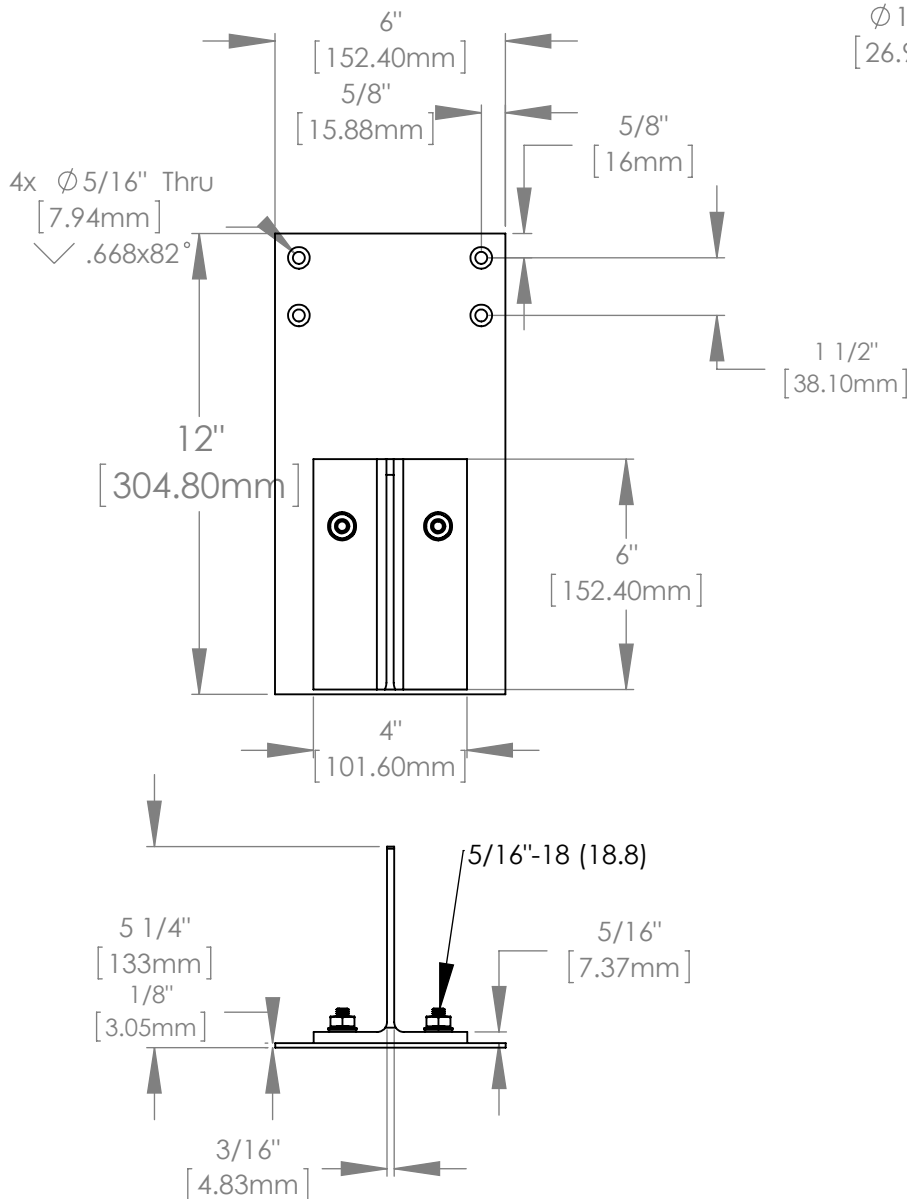
- ☐ Aluminum Bracket,
Stainless Steel Base
- ☐ Other
(Contact Alpine SnowGuards)

Available Finishes

- ☐ Mill Finish (Standard)
- ☐ Powder Coating
(RAL Tiger Drylac Powder
Coating Color Code: _____)

Available Configurations

- ☐ Two-Pipe ☐ Hi-Hole
- ☐ Three-Pipe ☐ Other
(Contact Alpine SnowGuards)



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

Scale: 1:5

10/8/2020

Cut Sheet - PP125 (8"x12"Base or Larger)

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.
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Available Materials

☐ Aluminum Bracket,
Stainless Steel Base

☐ Other
(Contact Alpine SnowGuards)

Available Finishes

☐ Mill Finish (Standard)

☐ Powder Coating
(RAL Tiger Drylac Powder
Coating Color Code: _____)

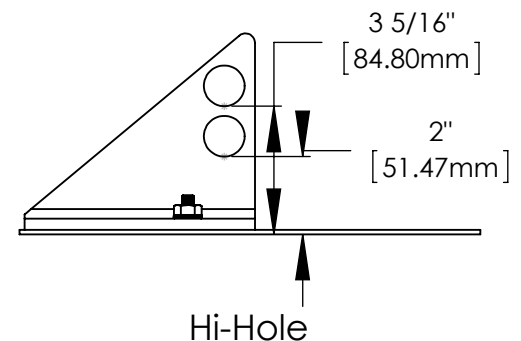
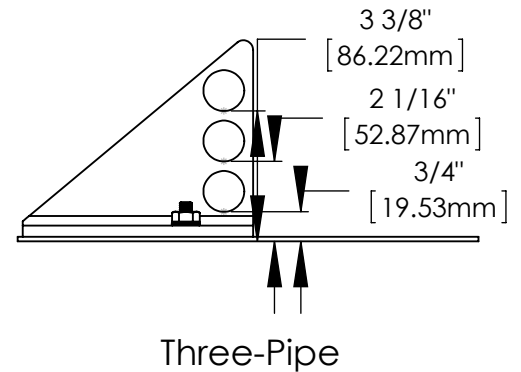
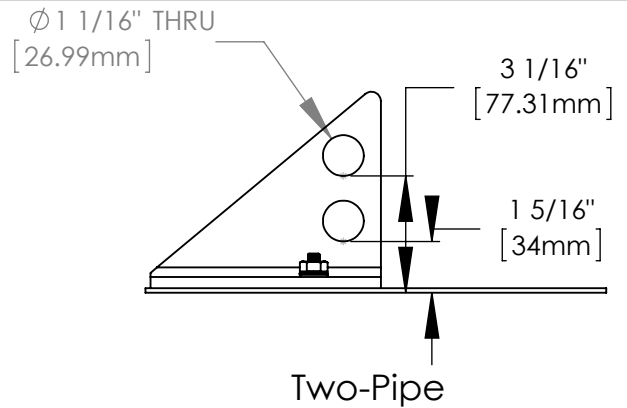
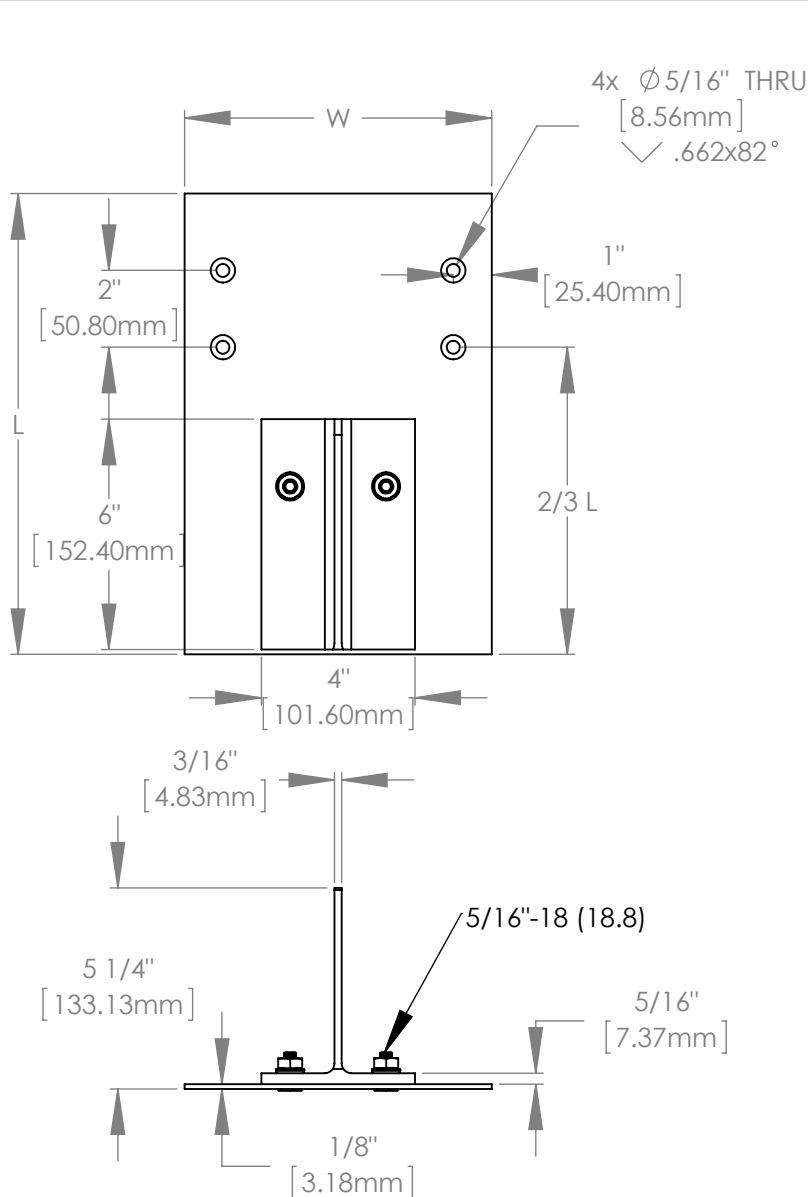
Available Configurations

☐ Two-Pipe ☐ Hi-Hole

☐ Three-Pipe ☐ Other
(Contact Alpine SnowGuards)

Base Plate Size

____ x ____



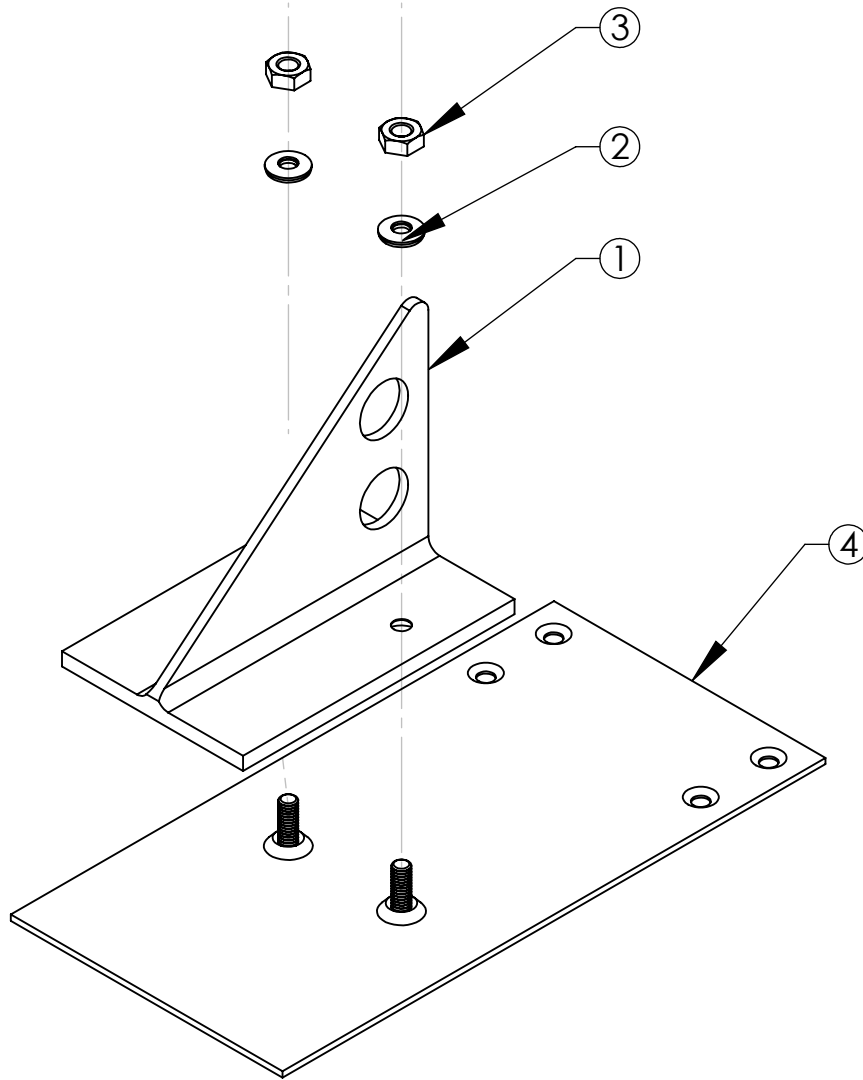
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Assembly Sheet - PP125 (All Configurations 6"x12")

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](#).



ITEM NO.	PART CODE	DESCRIPTION	QTY
1	KIT-145 BRACKET (2-PIPE SHOWN)	KIT-145 BRACKET (2-PIPE, 3-PIPE OR HI-HOLE OPTIONS)	1
2	W-NEO SS-.313	SS NEO WASHER .313 ID (INCLUDED IN POLY KIT 145)	2
3	N-HX SS-.3125-18	SS HEX FINISHED NUT .3125-18 (INCLUDED IN POLY KIT 145)	2
4	BASE SS 6X12-100	SS 6x12-100 BASE PLATE	1



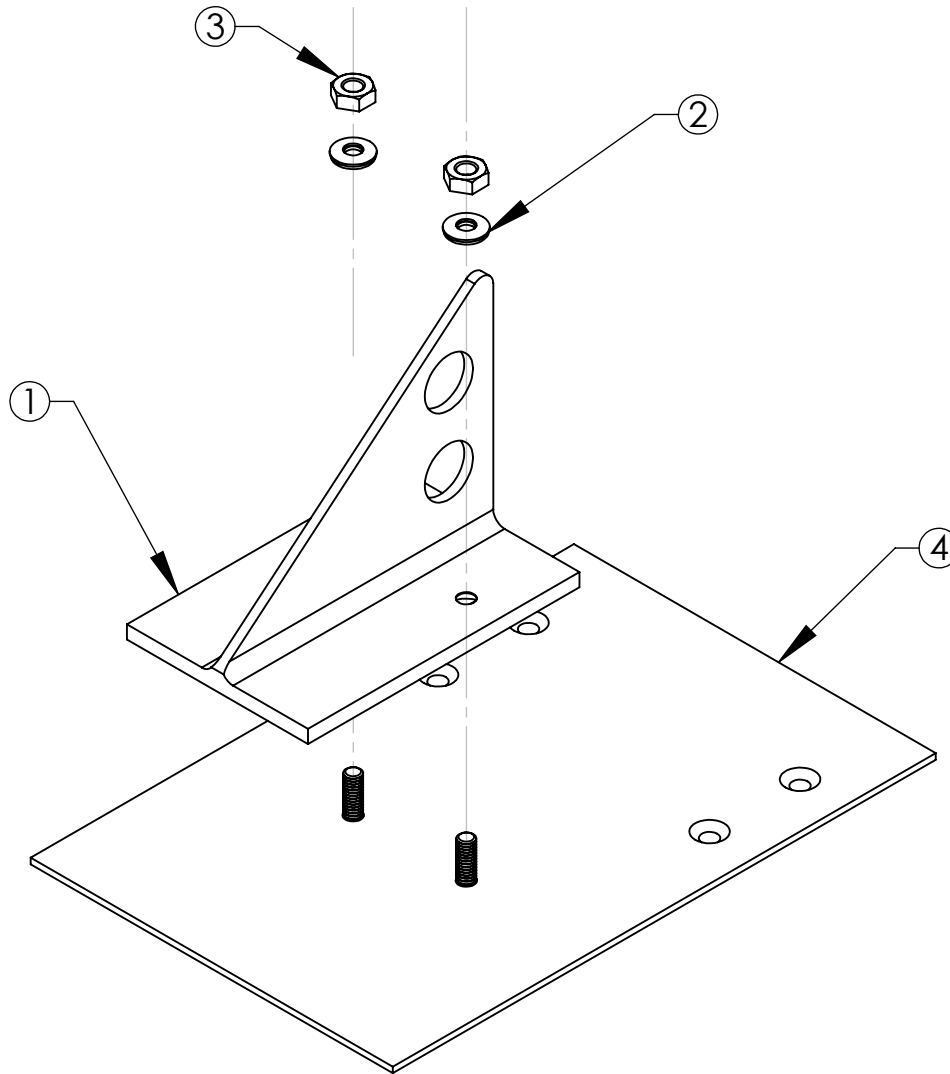
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Morrisville, VT 05661
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Fax: 1.888.766.9994
Email: Info@alpinesnowguards.com

Scale: 1:3

10/15/2020

Assembly Sheet - PP125 (All Configurations 8"x12" or Larger)

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.
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ITEM NO.	PART CODE	DESCRIPTION	QTY
1	KIT-145 BRACKET (2-PIPE SHOWN)	KIT-145 BRACKET (2-PIPE, 3-PIPE OR HI-HOLE OPTIONS)	1
2	W-NEO SS-.313	SS NEO WASHER .313 ID (INCLUDED IN POLY KIT 145)	2
3	N-HX SS-.3125-18	SS HEX FINISHED NUT .3125-18 (INCLUDED IN POLY KIT 145)	2
4	BASE SS-100	SS-100 BASE PLATE (8X12 OR LARGER)	1



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Scale: 1:3

10/14/2020



PP125 Specification Sheet Snow Guards

PART 1 – GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. PP125 snow guard that attaches directly to the roof deck.
2. Coordinate with installation of roof 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

Bracket: An aluminum bracket and two 5/16" diameter bonded stainless steel and EPDM washers, with two countersunk holes milled into underside of bracket.

1. KIT-145 BRACKET
2. W-NEO SS-.313
3. N-HX SS-.3125-18

Base: A stainless steel base plate with two welded studs that align with fastener holes in bracket.

4. BASE SS-100 (base plate sizes are project-specific)

B. ACCESSORIES

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

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 that of snow guard system.

C. DESIGN REQUIREMENTS

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



PP125 Specification Sheet Snow Guards

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

2.2 MATERIALS

- A. KIT-145 BRACKET - 6000 Series Aluminum.
- B. W-NEO SS-.313 - 304 stainless steel.
- C. N-HX SS-.3125-18 - 304 stainless steel.
- D. BASE SS-100 – 11-gauge 304 stainless steel with two welded 5/16" 304 stainless steel machine screws.

2.3 ACCESSORY MATERIALS

- A. PP75, tubing (choose one)
 - 1. 6000 Series Aluminum - 1" outside diameter and .120" wall thickness, extruded.
 - 2. 304 Stainless Steel - same dimensions as aluminum, welded.
- B. Couplings (choose one)
 - 1. PP84, external and exposed coupling which can also serve as a 5" long expansion mechanism.
 - a. 6000 Series Aluminum
 - 2. PP86, internal and concealed coupling 3" long.
 - a. 6000 Series Aluminum
 - b. 304 Stainless Steel
- C. PP56, end caps - 304 Stainless Steel
- D. PP65, end collars (choose one)
 - 1. 6000 Series Aluminum
 - 2. 304 Stainless Steel
- E. PP95, ice flags, 3" wide x length, optional (choose one)
 - 1. 6000 Series Aluminum
 - 2. 304 Stainless Steel
- F. PP98, ice screen - 304 Stainless Steel

2.4 FINISH (choose one)

- A. Mill Finish – standard
- B. Powder Coated – available at additional cost



PP125 Specification Sheet Snow Guards

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.**

Document Version: 10.07.2020
07 72 53 Snow Guards



PP125 Snow Guard Installation Instructions

ROOF TYPES

- New / Existing Slate
- New / Existing Synthetic Slate
- New / Existing Composition Shingle
- New / Existing Cedar Shingle

BASE PLATE INSTALLATION - COMPOSITION SHINGLE

1. Place base plate on top of shingle and align downslope edge of base plate with downslope edge of shingle.
2. Fasten base plate to roof deck using a minimum of 4 fasteners.
3. Strip in top portion of base plate (the portion that will be concealed below next course of shingles) using a material such as ice and water shield.
4. Continue installing shingles around and over base plate.

BASE PLATE INSTALLATION - SLATE, SYNTHETIC SLATE OR CEDAR

1. Install base plate so that it replaces a slate, synthetic slate or cedar shingle.
2. Fasten base plate to roof deck using a minimum of 4 fasteners.
3. Continue installing shingles around and over base plate.

BRACKET INSTALLATION

1. Install snow guard bracket over 2 threaded studs on base plate.
2. Install 1 bonded washer on top of each stud and press them against bracket.
3. Install 1 nut on top of each washer and tighten to 15-in lbs.
4. Install Pipes, Couplings, End Caps and End Collars (refer to Pipe-Style Installation Instructions). Ice Flags are optional.

SNOW GUARD LAYOUT FOR PIPE-STYLE BRACKETS

- Contact Alpine SnowGuards for detailed layout.
- Do not install runs of snow retention pipe/bar more than 100 feet long without a break to allow for thermal expansion.
- First row of snow guards is installed above outermost wall or support of the building.

Document version 11.04.2021
07 72 53 Snow Guards



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

TIGER Drylac®

ral colors

exterior powder coatings



TIGER Drylac®
Powder Coatings

series 49

Weather Resistant TGIC Polyester Powder Coatings for Exterior and Interior Applications

Features: Good weather resistance, good mechanical properties, very smooth flow, good storage stability, good coverage

Gloss Level: All colors featured in this chart are available as standard products in smooth glossy with a gloss level of 80-90+ (gloss level according to Garner 60 deg., ASTM D 523).

Typical Applications: Residential windows and doors, garden equipment, patio furniture, automotive accessories, bicycles, motorcycles, sporting goods.

Standard Packaging: 55 lb boxes or 5 lb mini packs

Datasheets: Periodically updated datasheets, showing cure parameters, test results, pre-treatment information and more are available for all products in this chart. Please contact your local TIGER Drylac office or visit www.tigerdrylac.com for the most current edition.



All Series 49 (custom and stock) products, made in the US or Canada are periodically re-certified and carry the UL (Underwriter Laboratories) Recognized Component mark. This UL mark is for all equipment and products intended for the US and Canadian market.

series 38

Highly Weather- and UV-Resistant Powder Coatings based on Super Durable TGIC Polyester for Exterior and Interior Applications

Features: Superior gloss and color retention, excellent weather resistance, good mechanical properties, superior chalk resistance, smooth flow, excellent edge coverage, good storage stability. AAMA 2604-05 conforming.

Gloss Level: All colors featured in this chart are available as standard products in smooth glossy with a gloss level of 80-90 (gloss level according to Gardner 60 deg., ASTM D 523).

Typical Applications: Agricultural and construction equipment, bus shelters, lighting fixtures, playground equipment, site furnishings, garage doors, stadium seating, fencing, automotive equipment, and marine applications.

Standard Packaging: 44 lb boxes and 5 lb mini packs

Datasheets: Periodically updated datasheets, showing cure parameters, test results, pre-treatment information and more are available for all products in this chart. Please contact your local TIGER Drylac office or visit www.tigerdrylac.com for the most current edition.

RAL colors not available: Due to pigmentation a small percentage of colors in the yellow, orange, red and purple range offer only limited UV stability and are therefore not available.

More standard Series 38 products: For additional architectural mattes, glossy and metallic products please see our Series 38 Super Durable Powder Coatings brochure.

Custom colors: Custom colors not shown in this brochure can be custom made in 7 to 10 days. Due to pigmentation some colors in the yellow, orange, red and purple range offer only limited UV stability. UV stability of custom colors in that color range must be verified by our production laboratories on a case by case basis.

TIGER Drylac continues to offer the largest product selection in the powder coating industry. For additional standard products and innovative powder coating solutions please see our numerous other brochures including:

TIGER Drylac Metallic

TIGER Drylac Special Effect

TIGER Drylac Essentials

TIGER Drylac Specialties

TIGER Drylac Series 38 Super Durable

TIGER Drylac Anti-Graffiti

TIGER Drylac Series 58 Super Durable
(for approved applicators only)

TIGER Drylac Series 75 Fluoropolymer
(for approved applicators only)

TIGER Drylac Wood

Specifying TIGER Drylac products

In order to eliminate possible errors in specifying our products, we recommend using the full product number rather than specifying the RAL number only. This product number not only describes the Series/Chemistry, but also the exact color, finish and sheen.

Please check with your local TIGER Drylac office or representative for assistance with specifications and suitability issues.

RAL

Having gained worldwide acceptance over the last few decades, the RAL is the most popular Central European Color Standard used today.

The RAL colors in this chart have been matched as closely as possible. Color chart production methods and influence from heat and light may account for slight color deviation from the actual RAL Standard. This chart therefore can not serve as a standard for RAL color production and is to be used as a guide for color planning and specification only.

To aid in final product selection please contact your regional Tiger Drylac location for a powder coated Q-Panel of the product of your choice.

Product Code Matrix

3 8 / 3 0 0 2 5



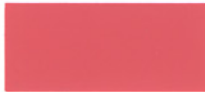
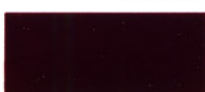
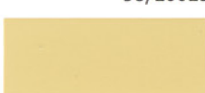
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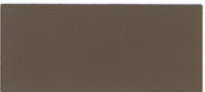
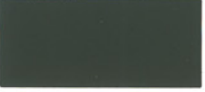
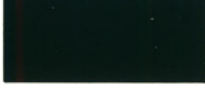
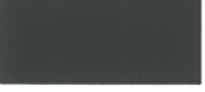
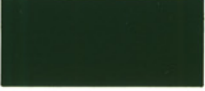
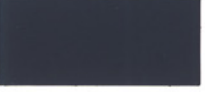
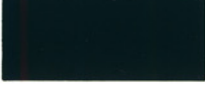
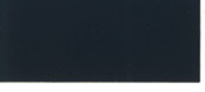
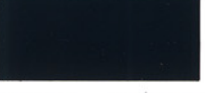
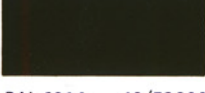
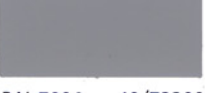
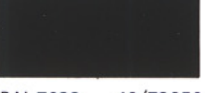
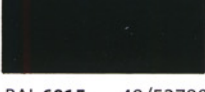
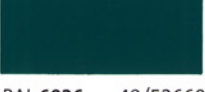
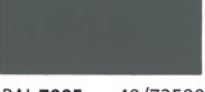
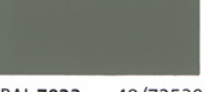
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applicators only)
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applicators only)
89 Polyester/Epoxy Hybrid,
Low/Fast Cure

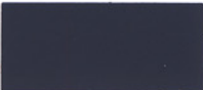
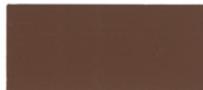
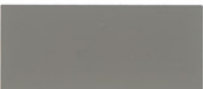
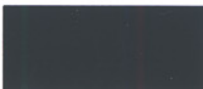
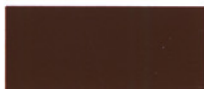
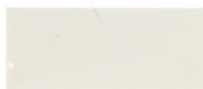
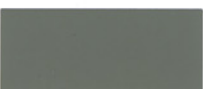
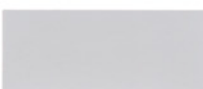
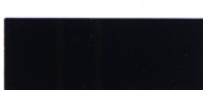


Color Group (starting with)

1 White
2 Yellow / Orange
3 Red
4 Blue
5 Green
6 Brown
7 Grey
8 Black
9 Metallic

					
RAL 1000 49/15200 38/15000	RAL 1015 49/15320 38/15015	RAL 1033 49/22240	RAL 2012 49/24690	RAL 3014 49/31080	RAL 4004 49/31020 38/30024
					
RAL 1001 49/15190 38/15001	RAL 1016 49/22520 38/20016	RAL 1034 49/23910	RAL 3000 49/33120 38/30000	RAL 3015 49/33670	RAL 4005 49/42780
					
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RAL 1003 49/22580	RAL 1018 49/21830 38/20018	RAL 2000 49/24570	RAL 3002 49/31110 38/30002	RAL 3017 49/31060	RAL 4007 49/32540 38/30025
					
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RAL 5005 49/43190 38/40010	RAL 5019 49/42360 38/40019	RAL 6006 49/52870 38/50006	RAL 6016 49/51020 38/50016	RAL 6027 49/50990 38/50027	RAL 7006 49/72580 38/70006
					
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RAL 7024 49/72870 38/70024	RAL 7040 49/75470 38/70046	RAL 8007 49/66120 38/60007	RAL 8025 49/66050 38/60025
			
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RAL 7031 49/72520 38/70031	RAL 7044 49/75480 38/70044	RAL 8012 49/66090 38/60012	RAL 9002 49/70520 38/10002
			
RAL 7032 49/72910 38/70001	RAL 7045 49/77890 38/70045	RAL 8014 49/65230 38/60010	RAL 9003 49/11400 38/10003
			
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RAL 7038 49/72470 38/70038	RAL 8003 49/66140 38/60003	RAL 8023 49/66070 38/60023	RAL 9017 49/80550 38/80017
			
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