

PD50 Pad-Style Snow Guard Submittal Document Set

ROOF TYPES

- New / Existing Cedar Shingle
- New / Existing Composition (Asphalt) Shingle
- New / Existing Slate
- New / Existing Synthetic Shake or Slate
- New / Existing Tile (Flat, Mission, Round, "S" Tile, Spanish)

AVAILABLE MATERIALS

- Copper (CU)
- Galvanized Steel (GAL)

AVAILABLE FINISHES

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

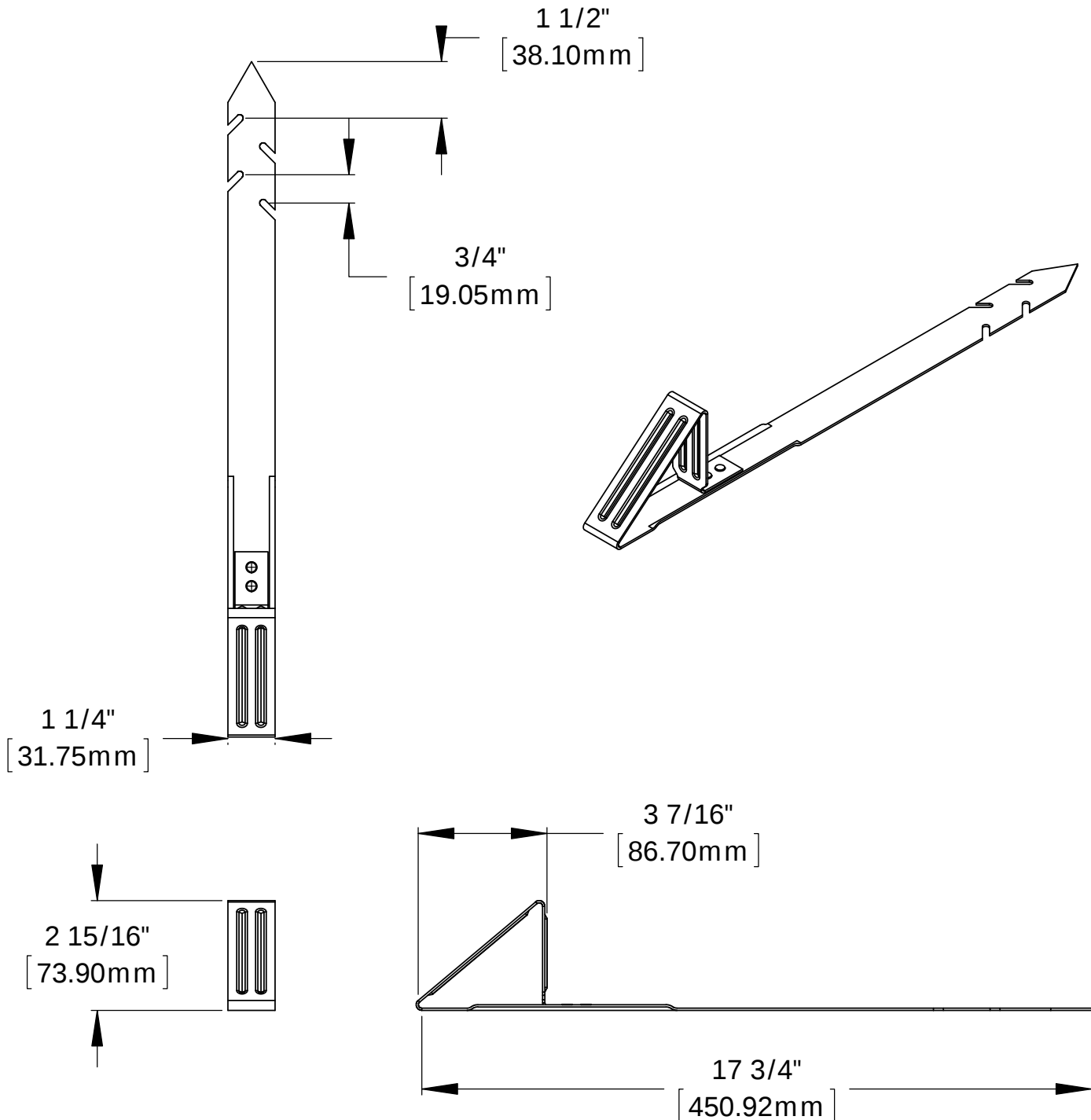
FEATURES/ADVANTAGES

- Pad area is 3 7/16" L x 1 1/4" W x 2 15/16" H
- Overall length is 18"
- Grooved front pad
- Galvanized steel model is available in a multitude of RAL TIGER Drylac® Exterior Powder Coating Colors
- Taller profile is an ideal solution for thick cement tiles or deeper barrel tiles because it extends above the valley to engage snow on top of the tile
- Ease of installation allows for attachment to an existing nail
- 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)



Cut Sheet - PD50

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](#).



289 Harrel Street
Morrisville, VT 05661
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Scale: 1:4

10/18/2019



PD50 Snow Guard Specification Sheet Snow Guards

PART 1 – GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. PD50 gusseted snow guards that attach 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:

1. PD50 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 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. Minimum 1 fastener 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, 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.



PD50 Snow Guard 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 – .063 copper.
- B. Galvanized Steel - .0456 - .063

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 it may incur. Notify general contractor of any deficiencies before installing Alpine SnowGuards.
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.

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07 72 53 Snow Guards

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289 Harrel St., Morrisville, VT 05661 | 888-766-4273 | info@alpinesnowguards.com | www.alpinesnowguards.com

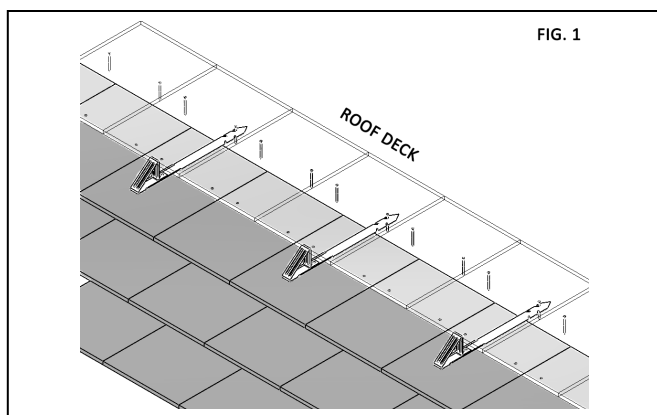
PD50 Snow Guard Installation Instructions

ROOF TYPES

- New / Existing Cedar Shingle
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NEW ROOF INSTALLATION

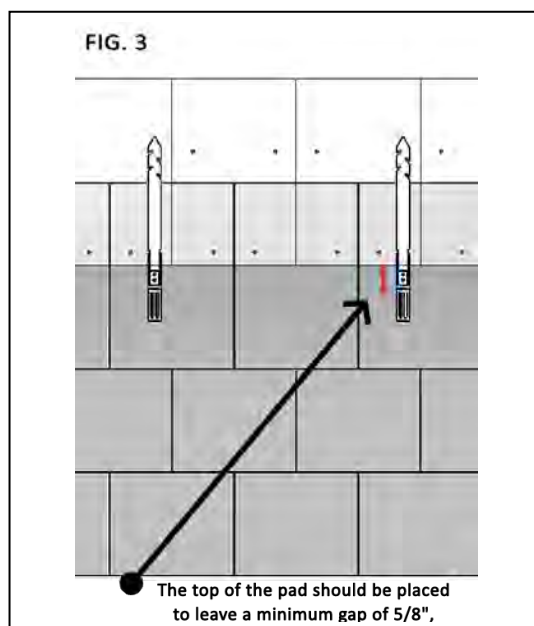
1. Install first 3 rows of roofing material (slate, tile or shingle. 2 rows for synthetic materials) and place strap of snow guard on roof deck (*fig. 1*).
2. Place snow guard low enough on all roofing materials to leave a minimum gap of 5/8", or at least 3 times the butt thickness of the shingle, between snow guard head & shingle above it (*fig. 2*).
3. Attach snow guard using a minimum of 2 fasteners of a material compatible with snow guard and roof system.



EXISTING ROOF INSTALLATION

1. Slide snow guard up and between the rows of slate, positioning strap so it is able to hook onto one of the fasteners on the slate above the snow guard. Pull down into place so snow guard is well-seated.
2. It may be necessary to repeat step 1 until snow guard "hooks" properly. The top of the pad should be placed to leave a minimum gap of 5/8", or at least 3 times the thickness of the slate above, whichever is greater (*fig. 3*).

NOTE: Use appropriate retrofit hook to adequately space snow guard head 3 times the thickness of the roofing material. (See *fig. 2*)



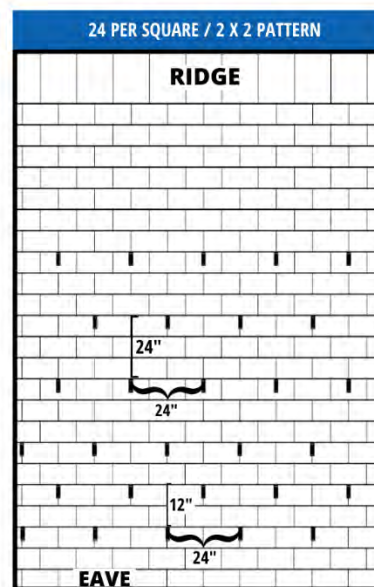
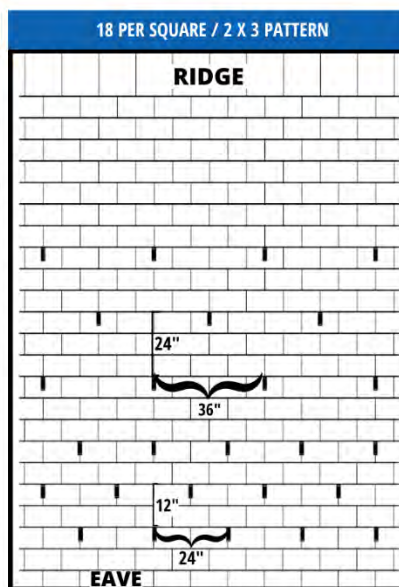
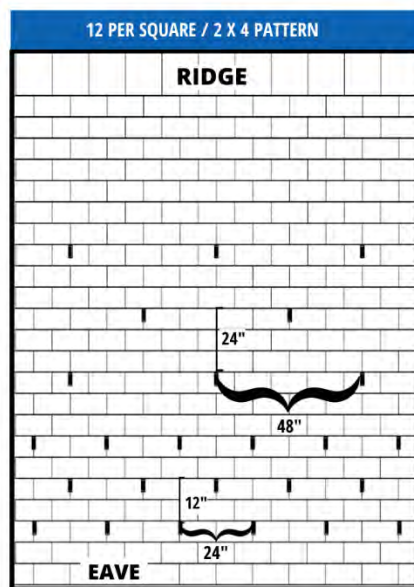
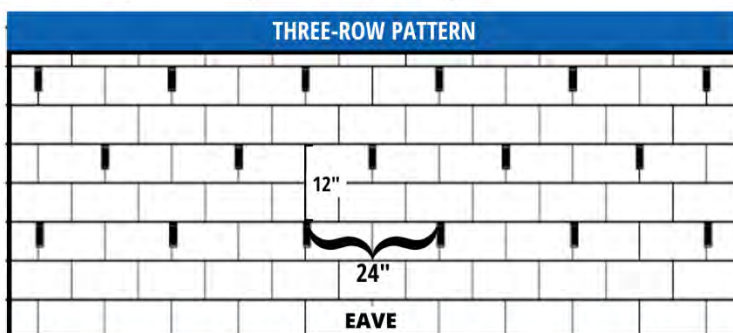
PD50 Snow Guard Installation Instructions

STANDARDSNOW 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.



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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



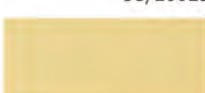
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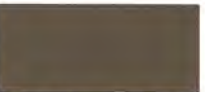
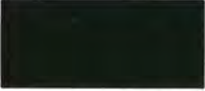
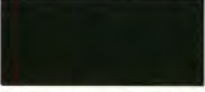
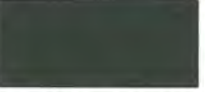
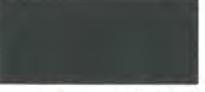
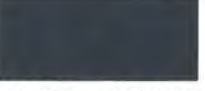
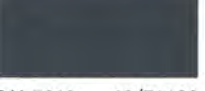
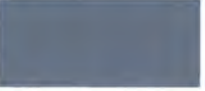
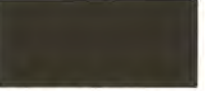
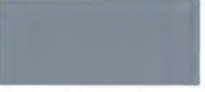
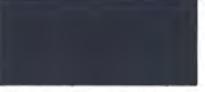
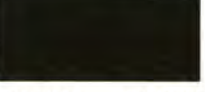
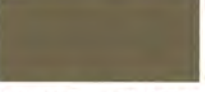
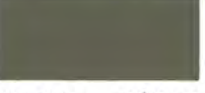
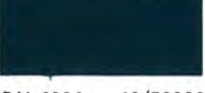
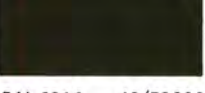
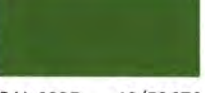
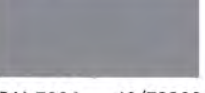
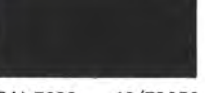
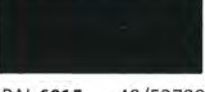
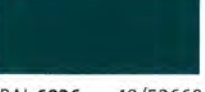
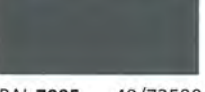
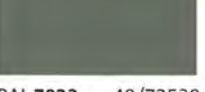
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28 Super Durable Polyester
TGIC (for approved applicators only)
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(for approved applicators only)
89 Polyester/Epoxy Hybrid,
Low/Fast Cure

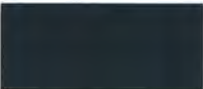
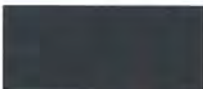
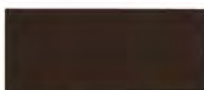
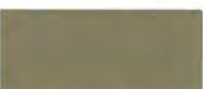
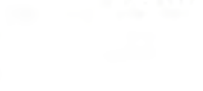


Color Group (starting with)

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

					
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RAL 5018 49/41140 38/40020	RAL 6005 49/50670 38/50002	RAL 6015 49/52790 38/50015	RAL 6026 49/52660 38/50026	RAL 7005 49/72590 38/70005	RAL 7023 49/72530 38/70023

			
RAL 7024 49/72870 38/70024	RAL 7040 49/75470 38/70046	RAL 8007 49/66120 38/60007	RAL 8025 49/66050 38/60025
			
RAL 7026 49/72880 38/70026	RAL 7042 49/73250 38/70042	RAL 8008 49/66110 38/60008	RAL 8028 49/66500 38/60028
			
RAL 7030 49/72890 38/70027	RAL 7043 49/72460 38/70043	RAL 8011 49/66100 38/60011	RAL 9001 49/10016 38/10001
			
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
			
RAL 7033 49/72510 38/70033	RAL 7046 49/72010 38/70002	RAL 8015 49/63040 38/60015	RAL 9004 49/81950 38/80004
			
RAL 7034 49/72500 38/70034	RAL 7047 49/72020 38/70047	RAL 8016 49/66080 38/60016	RAL 9005 49/82830 38/80010
			
RAL 7035 49/73510 38/70035	RAL 8000 49/66170 38/60000	RAL 8017 49/65220 38/60017	RAL 9010 49/11500 38/10004
			
RAL 7036 49/72950 38/70036	RAL 8001 49/66160 38/60005	RAL 8019 49/65490 38/60019	RAL 9011 49/80540 38/80001
			
RAL 7037 49/72480 38/70037	RAL 8002 49/66150 38/60002	RAL 8022 49/63080 38/60022	RAL 9016 49/11340 38/10010
			
RAL 7038 49/72470 38/70038	RAL 8003 49/66140 38/60003	RAL 8023 49/66070 38/60023	RAL 9017 49/80550 38/80017
			
RAL 7039 49/71020 38/70039	RAL 8004 49/66130 38/60004	RAL 8024 49/66060 38/60024	RAL 9018 49/72490 38/10018

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