

**TSM**

**TRI-STATE  
METALS**  
LLC

41 N. LAWN AVE  
ELMSFORD, NY 10523  
914-347-8157



**PAC-CLAD®**

P E T E R S E N

## Architectural Metal



Custom Fabrication, Curtainwall,  
Storefront and Wall Applications





Emmis Communications Corp., Indianapolis, IN  
 Architect: RATIO Architects, Inc.  
 Glazing contractor: ASI Limited  
 Custom fabrication: Ornamental Sill Flashing

Petersen Aluminum Corporation was founded in 1965 as a metals service center to the architectural metal industry. Since then, Petersen has transformed itself into a respected and recognized leader in architectural metal. With state-of-the-art equipment and a dedicated sales and management team, Petersen has become an innovator in the metals market, and is ready to apply its 50-plus years of experience to the glass industry.

With a complete line of metal products including column covers, corrugated panels, metal composite panels, metal plate panels and custom heavy-gauge fabrication, Petersen is dedicated to making projects run smoothly and cost-effectively.

In addition to its Chicago-based headquarters, Petersen maintains full production facilities in Annapolis Junction, Maryland; Tyler, Texas; and Acworth, Georgia. With these locations, Petersen is able to provide high-quality metal products at competitive prices with dependable lead times.

Technical assistance and service are provided by Petersen's staff and complemented locally by its nationwide organization of architectural representatives. Assistance is available for design, budgeting, material and finish selection.



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# CUSTOM FABRICATION



Understanding that it's all in the details is how Petersen provides custom fabrication that meets the most exacting requirements. With state-of-the-art technology and insightful expertise, Petersen ensures unmatched quality and service from coil to finished part to complete even the most demanding project.

Petersen's goal is simple: Provide precision-made parts to closely held tolerances to meet all of a customer's expectations. With the most advanced CNC shearing and bending equipment combined with more than 50 years of industry experience, Petersen offers superior innovation and flexibility for producing a wide range of custom architectural components.

## FABRICATION CAPABILITIES

- ▶ Ideal for curtain wall, glass and glazing industries
- ▶ Precision shearing to meet exact dimensions
- ▶ Can produce parts up to 20' long
- ▶ Custom radius and bull nose parts
- ▶ Available in custom heavy or light gauge parts:
  - Galvanized steel from 16 to 26 gauge
  - Copper in 16 oz. and 20 oz.
- ▶ Able to achieve custom-designed panels as well as simple angles

## FINISHING CAPABILITIES

- ▶ Spray-applied, non-standard or custom colors available in Kynar 500 formulation
- ▶ Exterior grade and Class I architectural anodized finishes available





## PRODUCT FEATURES

- ▶ No-clip panel, or clip installation for expansion/contraction
- ▶ Multiple rib patterns provide a variety of looks and design options
- ▶ Panel depths of 7/8" or 1-3/8"
- ▶ Cost-effective installation
- ▶ Horizontal or vertical installation
- ▶ Panel lengths: 30' maximum for steel;

22' maximum for aluminum; longer lengths available on clip panels

## MATERIAL

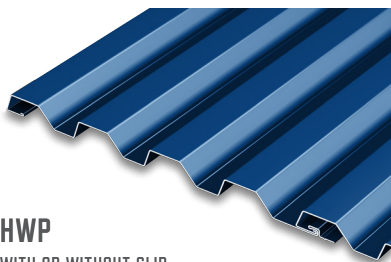
- ▶ 43 stocked colors (24 gauge steel)
- ▶ 36 stocked colors (.032 aluminum)
- ▶ 15 stocked colors (22 gauge steel)
- ▶ 22 stocked colors (.040 aluminum)
- ▶ 29 stocked colors (.050 aluminum)
- ▶ Galvalume Plus available

## TESTS

- ▶ ASTM E330
- ▶ ASTM E283
- ▶ ASTM E331
- ▶ ASTM 501.1-05
- ▶ ASTM 1592

## FLORIDA BUILDING PRODUCT APPROVALS

Please refer to [pac-clad.com](http://pac-clad.com) or your local factory for specific product approval numbers for Precision Series panels.



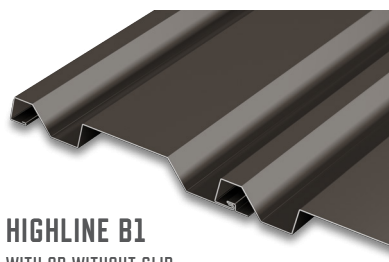
**HWP**  
WITH OR WITHOUT CLIP

## MATERIALS

.032 aluminum	24 gauge steel
.040 aluminum	22 gauge steel
.050 aluminum	

## SPECS

12" or 16" Wide	7/8" High
-----------------	-----------



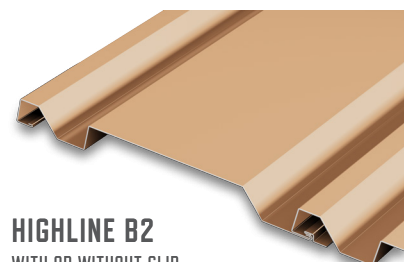
**HIGHLINE B1**  
WITH OR WITHOUT CLIP

## MATERIALS

.032 aluminum	24 gauge steel
.040 aluminum	22 gauge steel
.050 aluminum	

## SPECS

11.356" Wide	1-3/8" High
--------------	-------------



**HIGHLINE B2**  
WITH OR WITHOUT CLIP

## MATERIALS

.032 aluminum	24 gauge steel
.040 aluminum	22 gauge steel
.050 aluminum	

## SPECS

15.356" Wide	1-3/8" High
--------------	-------------

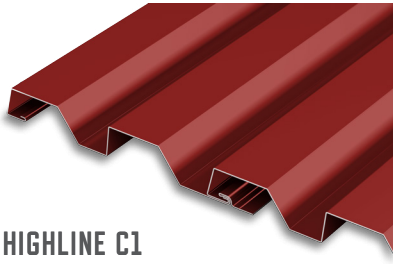






Precision Series architectural wall panels provide design flexibility by combining bold visual effects with easy, cost-effective installation. Multiple profiles are available with a variety of rib patterns. Options for each profile include a no-clip panel, or a clip-fastened panel to accommodate expansion and contraction. The original Precision Series HWP profile features a 7/8" depth, while the Precision Series Highline profiles are 1-3/8"

deep to add visual intensity to a building's exterior. Precision Series wall panels can be installed horizontally or vertically; consult Petersen rep for maximum length. Additionally, these wall panels can be specified as perforated for use in equipment screen applications or over graphics as seen on page 24.



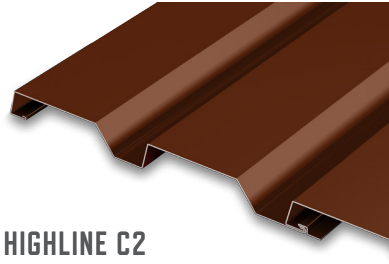
**HIGHLINE C1**  
WITH OR WITHOUT CLIP

**MATERIALS**

- .032 aluminum      24 gauge steel
- .040 aluminum      22 gauge steel
- .050 aluminum

**SPECS**

11.356" Wide      1-3/8" High



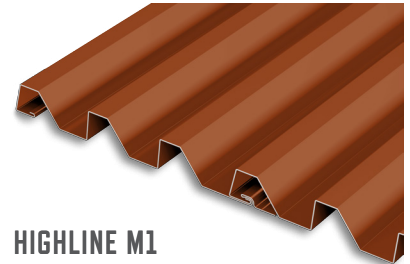
**HIGHLINE C2**  
WITH OR WITHOUT CLIP

**MATERIALS**

- .032 aluminum      24 gauge steel
- .040 aluminum      22 gauge steel
- .050 aluminum

**SPECS**

15.356" Wide      1-3/8" High



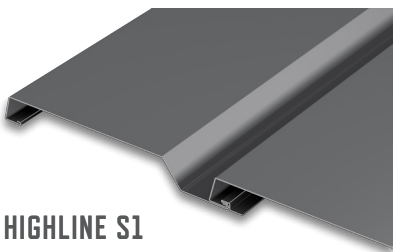
**HIGHLINE M1**  
WITH OR WITHOUT CLIP

**MATERIALS**

- .032 aluminum      24 gauge steel
- .040 aluminum      22 gauge steel
- .050 aluminum

**SPECS**

12.043" Wide      1-3/8" High



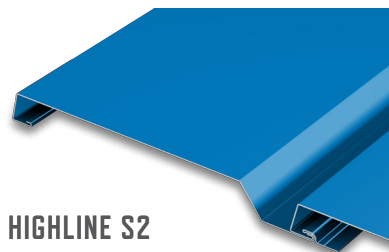
**HIGHLINE S1**  
WITH OR WITHOUT CLIP

**MATERIALS**

- .032 aluminum      24 gauge steel
- .040 aluminum      22 gauge steel
- .050 aluminum

**SPECS**

11.356" Wide      1-3/8" High



**HIGHLINE S2**  
WITH OR WITHOUT CLIP

**MATERIALS**

- .050 aluminum      22 gauge steel

**SPECS**

15.356" Wide      1-3/8" High



Photo on page 4:  
Arlington Community Academy, Jacksonville, FL  
Architect: Ebert Norman Brady  
Installing contractor: Thorne Metal Systems  
General contractor: Auld-White Constructors  
Profiles: HWPC  
Colors: Berkshire Blue

Note: Line drawings on these pages are not to scale.



# FLUSH/REVEAL WALL PANELS



Flush panels are designed for wall, fascia and soffit applications where a flush or flat appearance is desired. A rounded interlock leg and concealed fastening system improves the flush appearance while providing additional strength. Panels are factory-formed to length to minimize field cutting. Maximum panel length is 25' and minimum panel length is 4'.

Flush panels are available in on-center dimensions designed to complement Petersen's roofing panel product line. Flush panels are available in Flush and Reveal joint configurations.

## STIFFENING BEADS

The Flush and Reveal panels are available with optional stiffening beads. Stiffening beads are recommended for longer panel lengths. One or two beads are available.

## INSTALLATION

Flush panels shall be installed over a solid substrate with appropriate 30# felt or ice and water shield, or in limited applications over framing sections. When used in a windscreen application, panels must be fastened (stitched) through side

joints. Consult a local architect/engineer for requirements of local codes and conditions.

## CORRECTIVE LEVELING

Petersen's Flush panels are formed on precision roll-forming equipment that includes in-line Herr-Voss corrective levelers. Corrective leveling removes typical metal conditions including coil set, crowning and edge wave. In-line leveling capabilities allow us to work with source material that is "stillwater" flat. The result is a panel that exhibits superior flatness. Corrective leveling is available at no extra charge.

## TRIM

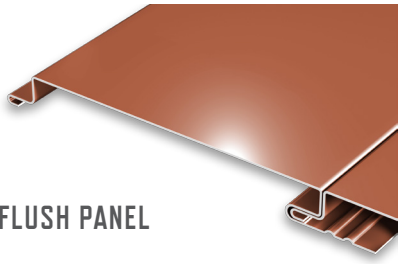
All flashing and trim shall be fabricated by manufacturer or qualified fabricator. Flashing shall be PAC-CLAD aluminum (.032 - .063 gauge as specified) or PAC-CLAD steel (24 gauge or 22 gauge as specified). A 30-year non-prorated finish warranty can be supplied covering finish performance. Vinyl masking is recommended on all fabrication applications where extra handling is expected.







Beverly Farms Elementary School, Potomac, MD  
 Owner: Montgomery County Public Schools  
 Architect: Muse Architects  
 Installing contractor: Orndorff & Spaid Inc.  
 Profiles: Snap-Clad, Flush Panel  
 Color: Slate Gray



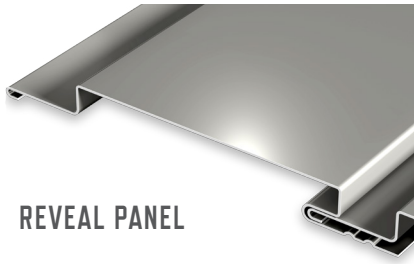
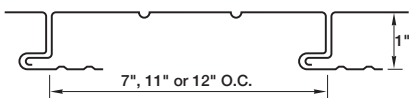
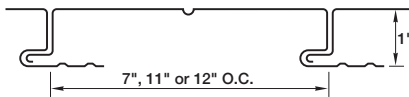
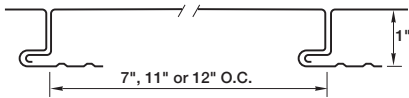
**FLUSH PANEL**

**MATERIALS**

.032 aluminum      24 gauge steel  
 .040 aluminum\*    22 gauge steel\*

**SPECS**

7", 11", or 12" O.C.    1" High



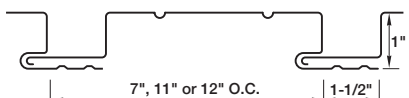
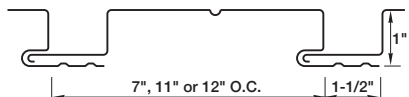
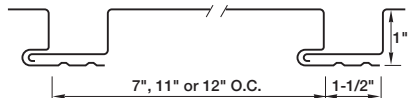
**REVEAL PANEL**

**MATERIALS**

.032 aluminum      24 gauge steel  
 .040 aluminum\*    22 gauge steel\*

**SPECS**

7", 11", or 12" O.C.    1" High



**PRODUCT FEATURES**

- ▶ Corrective leveled for superior flatness
- ▶ Available with up to two stiffener beads
- ▶ Rounded interlock leg provides improved flush fit
- ▶ 30-year non-prorated finish warranty
- ▶ Panel lengths up to 25'

**MATERIAL**

- ▶ 43 stocked colors (24 gauge steel)
- ▶ 15 stocked colors (22 gauge steel)
- ▶ 36 stocked colors (.032 aluminum)
- ▶ 22 stocked colors (.040 aluminum)
- ▶ Galvalume Plus available

**ASTM TESTS**

- ▶ ASTM E330 tested - 12" only

**FLORIDA BUILDING PRODUCT APPROVALS**

Please refer to [pac-clad.com](http://pac-clad.com) or your local factory for specific product approval numbers for Flush panels.

\*Limited color availability. 12" O.C. has reduced fastening flange. A complete specification is available online at [pac-clad.com](http://pac-clad.com).





Petersen offers a complete line of exposed fastener panels, allowing for unmatched design flexibility in a cost-effective yet architecturally attractive metal panel. The versatile 7.2 panel, R-36 and 7/8" Corrugated panels can be specified for a wide range of building envelope applications including roofs, walls and linear panels. The R-41, M-36, M-42 and 1/2" Corrugated panels are suitable for wall and equipment screen projects.

## TRIM

All flashing and trim shall be fabricated by manufacturer or qualified fabricator. Flashing shall be PAC-CLAD aluminum (.032 - .063 gauge as specified) or PAC-CLAD steel (24 gauge or 22 gauge as specified). A 30-year non-prorated finish warranty can be supplied covering finish performance.

Vinyl masking is recommended on all fabrication applications where extra handling is expected. NOTE: The strippable film must be removed immediately after installation.

Photo above:  
Mariano's Fresh Market, Oak Lawn, IL  
Owner: Stony Creek LLC  
Architect: Camburas & Theodore  
General contractor: J. Divita & Associates  
Installing contractor: WBR Roofing  
Profiles: Corrugated, Flat sheet  
Color: Silver Metallic

## PRODUCT FEATURES

- ▶ 30-year non-prorated finish warranty
- ▶ Matching screws and rivets
- ▶ Closure strips available
- ▶ Precut short lengths (5'-0" minimum) (2'-0" on the M-42 and R-41)
- ▶ Panel lengths up to 38'

## MATERIAL

- ▶ 38 stocked colors (24 gauge steel)
- ▶ 15 stocked colors (22 gauge steel)
- ▶ 36 stocked colors (.032 aluminum)
- ▶ 20 stocked colors (.040 aluminum)
- ▶ 29 stocked colors (.050 aluminum)
- ▶ Galvalume Plus available

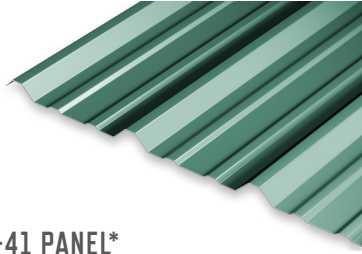
## FLORIDA BUILDING PRODUCT APPROVALS

Please refer to [pac-clad.com](http://pac-clad.com) or your local factory for specific product approval numbers for exposed fastener panels.

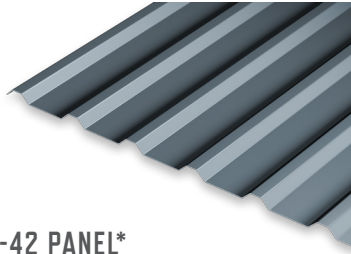
## AVAILABILITY

M-42 and R-41 are only available in 24 gauge steel and .032 aluminum.

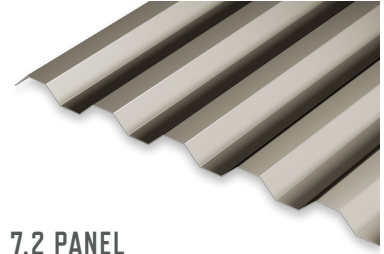
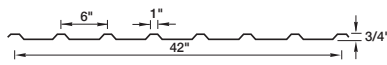




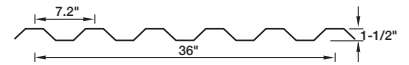
**R-41 PANEL\***



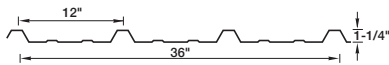
**M-42 PANEL\***



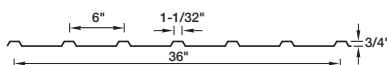
**7.2 PANEL**



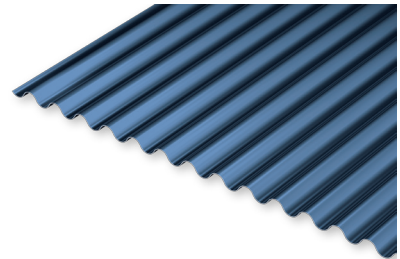
**R-36 PANEL**



**M-36 PANEL\***



Tom Harris @ HedrichBlessing



**7/8" CORRUGATED**



**1/2" CORRUGATED**



\*Note: The M-36, M-42 and the R-41 Panels are not intended for use in the construction of metal buildings or structural roof applications. Please consult with Petersen regarding the application of this panel.

A complete specification is available online at [pac-clad.com](http://pac-clad.com).

Photo at left:  
 Moving Everest Charter School, Chicago, IL  
 Architect: TEAM A  
 Installing contractor: WBR Roofing  
 Profile: 7/8" Corrugated Panels, smooth and perforated  
 Color: Charcoal





Sinai Samaritan Hospital, Milwaukee, WI  
 Architect: HGA Associates  
 General contractor: Gruneau Project Development  
 Sheet metal fabricator: Speicalty Associates Inc.  
 Color: Light Bronze Anodized

## PAC 500 BRONZE ANODIZED ALUMINUM

Petersen’s PAC 500 anodized finishes include a wide range of architectural bronzes and black. A complete range of bronze shades and black can be achieved. PAC 500 is highly resistant to ultraviolet light. With anodized finishes, a color variance is to be expected from batch to batch, so please order enough sheet or coil to complete a project.

## PAC 300 CLEAR ANODIZED ALUMINUM

PAC 300 clear anodized aluminum consists of anodized quality 5005-H34 aluminum sheet, giving a .0003 thick clear anodized coating. Coil anodizing allows for exceptional control over uniformity of appearance. PAC 300 anodized aluminum is stocked in gauges .032-.125

	.032	.040	.050	.063	.080	.125
<b>PAC 500</b>						
CHAMPAGNE	✓	✓	✓	✓		
LIGHT BRONZE	✓	✓	✓	✓		
MEDIUM BRONZE	✓	✓	✓	✓		
DARK BRONZE	✓	✓	✓	✓	✓	
BLACK		✓	✓	✓	✓	✓
<b>PAC 300</b>						
CLEAR	✓	✓	✓	✓	✓	✓





# COIL AND FLAT SHEET

In addition to offering the industry's widest selection of 70% full PVDF (Kynar) finishes in steel and aluminum, Petersen also provides mill finish sheet and coil in a variety of gauges and widths. Anodizing-quality 5005-H34, as well as 3003-H14, is stocked in gauges .032 to .125 for all applications that require fabrication and post-finishing. With its state-of-the-art, cut-to-length and slitting equipment, Petersen can provide flat sheet and coil to exact specifications.



Grammy Museum of Mississippi, Cleveland, MS  
Owner: Cleveland Music Foundation  
Architect: Dale Partners Architects  
Installing contractor: Ralph Jones Sheet Metal  
Profiles: 1/2-in. Corrugated, Tite-Loc Plus,  
Flush Panels, 7.2 Panel perforated  
Colors: Weathered Zinc, Bone White,  
custom color Olive



# COMPOSITE WALL PANELS



Pflugerville Elementary School, Pflugerville, TX  
 Owner: Pflugerville Independent School District  
 Architect: SHW Group  
 General contractor: Bartlett Cocke General Contractors  
 Installing contractor: Dean Contracting Co.  
 Profiles: Composite Panels, Flush Wall Panels  
 Colors: Copper Penny, Silver Metallic

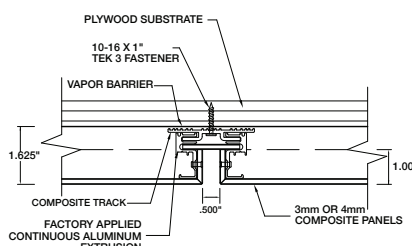
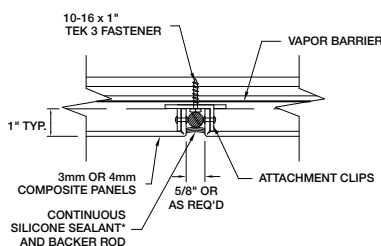
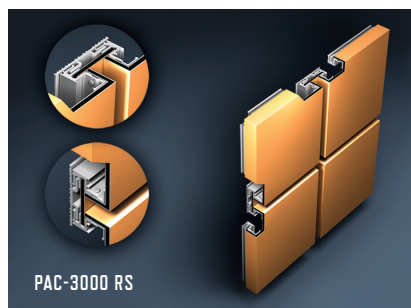
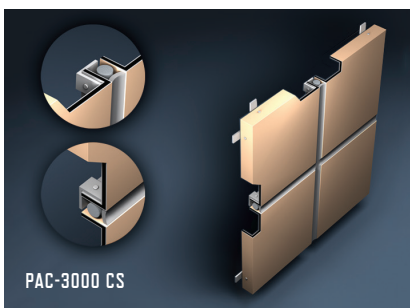
Petersen Aluminum offers another dimension in design flexibility with its series of composite wall panels. PAC's panel systems provide unmatched performance and stunning visual effects for any commercial or retail application.

The PAC-3000 CS panels are comprised of an .020 face and back skin thermobonded to a polyethylene or fire-retardant core. Panels are formed by a rout-and-return process utilizing computer-controlled routing equipment. This state-of-the-art fabrication ensures tight tolerances and accurate panel dimensions. Staggered angle clips mounted to the panel allow for each panel to be installed and adjusted individually.

The PAC-3000 RS is a rain-screen system that eliminates the use of caulk, utilizing clean reveals for an architecturally pleasing system. The system is constructed with metal composite material (MCM), available in a wide range of finishes and colors to complement any design scheme. Extrusions are fixed to the perimeter of the panel and nest into the extruded track which is attached to the substrate. The result is a free-floating panel installation since the panel is not fastened to the substrate.

## COLORS

The PAC-CLAD colors on pages 14-15 do not apply to composite panels. Consult Petersen rep for colors options.



## PRODUCT FEATURES

- ▶ Available in a wide variety of colors and finishes
- ▶ Precise fabrication to meet exacting tolerances
- ▶ Rout-and-return fabrication
- ▶ Welded corners available

## MATERIAL

- ▶ 3mm, 4mm, 6mm – Composite

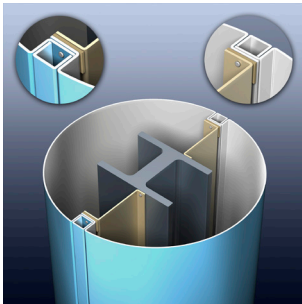
## TESTS

- ▶ ASTM E283
- ▶ ASTM E330





IBM Dulles Station West, Herndon, VA  
 Architect: VOA Associates, Inc.  
 General Contractor: Skanska  
 Installer: Irvin Services, Inc.  
 Distributor: Weaver's Glass & Building Specialties  
 Profile: AC-1000F Material Column Covers  
 Finish: Clear Anodized



## PAC-1000 & 2000 SERIES

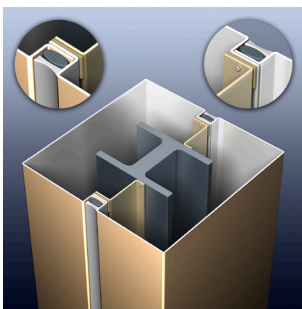
The design of the PAC-1000 and 2000 "F" Series Column Covers allows for a clean, precise installation, revealing a hairline joint. The column sections are assembled using a rivnut/ keyhole system to provide a tight, inconspicuous vertical seam.

The PAC-1000 and 2000 "C" and "R" Series Column Covers are designed to leave a small open vertical reveal where the sections meet. Backer rod and caulk are applied to the vertical reveal joint to complete the installation of the "C" Series Column Cover. For the "R" Series Column, a metal channel filler is fabricated to fit into the vertical joint, and is set in sealant.

Projects may require column or section designs that are not shown here. Column Covers are available in 16 gauge stainless steel and .063-.125 aluminum. Finishes include custom colors, PAC-CLAD colors shown on pages 14-15, plus anodized options and composite material. Petersen's fabrication capabilities offer flexibility and go far beyond what is displayed on this page. Please contact Petersen with fabrication needs.

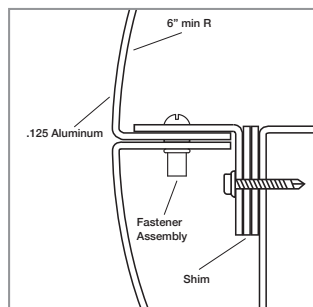
### 1000 SERIES

- ▶ PAC-1000F (Flush Joint)
- ▶ PAC-1000C (Caulk Joint)
- ▶ PAC-1000R (Reveal Joint)

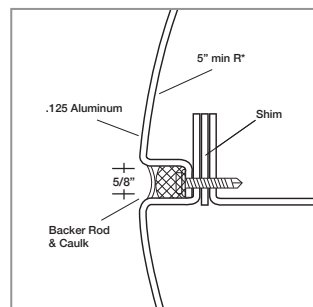


### 2000 SERIES

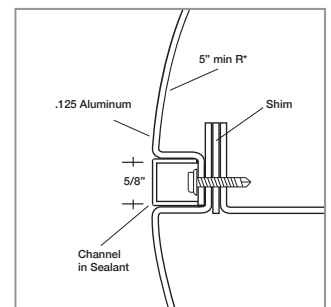
- ▶ PAC-2000F (Flush Joint)
- ▶ PAC-2000C (Caulk Joint)
- ▶ PAC-2000R (Reveal Joint)



FLUSH JOINT



CAULK JOINT



REVEAL JOINT

\*NOTE: Consult factory if tighter radius for Reveal or Caulk Joint is required.

# PAC-CLAD® COLOR CHART



## TRIM

PAC-CLAD products are available in prime quality aluminum (.032 - .063), 24 gauge G-90 galvanized steel and 22 gauge Galvalume steel, finished with a PAC-CLAD 70% full PVDF (Kynar) finish (top side), with a washcoat (bottom side). Other metals available include copper, bare galvanized steel, Galvalume Plus and anodized aluminum.

A strippable vinyl film can be applied to coil, flat sheet or fabricated parts, for protection during fabrication and installation, if desired. Vinyl masking is recommended on all applications where extra handling is expected. NOTE: The strippable film must be removed immediately after installation.

## FINISH WARRANTY

Life expectancy is 30-years plus on 70% full PVDF-finished materials. A 30-year, non-prorated warranty covering color fade, chalking and film integrity is available at no extra charge. Warranty terms vary slightly for Cardinal Red, Award Blue and embossed finishes.

## PAC-CLAD METALLICS

Petersen can supply metallic finishes with the economy of a one-pass, two-coat system at a moderate additional cost. These colors are ideal for curtainwall and roofing applications. A PAC-CLAD Metallic 30-year, non-prorated finish warranty applies; proper orientation required. This is a directional finish.

## OUR COMMITMENT TO SUSTAINABILITY

PAC-CLAD products provide not only unmatched aesthetics and performance, but also an element of sustainability to any project. Where possible, our products include a high percentage of recycled material, which lowers the environmental footprint. Additionally, our products offer a long life span, and at the end of their extended service life, are 100% recyclable which may reduce the solid waste stream to landfills.

Petersen also offers the industry's widest range of color selections, most of which feature outstanding SRI (Solar Reflectance Index) values for improved cooling and energy savings performance. To meet this demand for sustainable and energy-efficient products, PAC-CLAD offers 29 finishes that are listed with the Cool Roof Ratings Council, and 32 colors that are Energy Star®-approved. In addition, 22 PAC-CLAD finishes have an SRI of 29 or higher for steep slope roofs, to allow a building to qualify for credits in the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Green Building Rating System. Refer to our green website – [pacgreeninfo.com](http://pacgreeninfo.com) – for the most current information on sustainable cool metal roofing.



Petersen Aluminum has been a proud partner with Valspar since 1972

### STANDARD COLORS



\* Denotes PAC-CLAD Cool Color

### PREMIUM COLORS



This color chart is not an exact representation of PAC-CLAD actual colors. Color charts and sample chips are available on request at no charge.





# PAC-CLAD® COLOR AVAILABILITY

PAC-CLAD STANDARD COLORS	REFLECTIVITY	EMISSION	3 YEAR EXPOSURE	SRI	STEEL		ALUMINUM				ENERGY STAR®
					24 GA.	22 GA.	.032	.040	.050	.063	
AGED BRONZE	0.29	0.86		29	✓						
ALMOND	0.53	0.87	0.52	62	✓	✓		✓	✓		★
ARCADIA GREEN	0.31	0.88	0.32	32	✓		✓				★
AWARD BLUE					✓		✓			✓	
BERKSHIRE BLUE*	0.26	0.87	0.25	25	✓						★
BONE WHITE	0.67	0.86	0.64	81	✓	✓	✓	✓	✓	✓	★
BURGUNDY					✓		✓			✓	
BURNISHED SLATE	0.32	0.86		33	✓						
CARDINAL RED	0.37	0.86	0.36	39	✓		✓		✓		★
CHARCOAL	0.27	0.87	0.27	27	✓		✓		✓		★
CITYSCAPE	0.44	0.86	0.43	49	✓	✓	✓	✓	✓		★
COLONIAL RED	0.32	0.88	0.32	34	✓		✓	✓	✓		★
DARK BRONZE	0.26	0.85	0.24	24	✓	✓	✓	✓	✓	✓	★
EVERGREEN	0.27	0.86	0.25	26	✓		✓				★
FOREST GREEN					✓	✓	✓	✓	✓		
GRANITE*	0.32	0.87	0.33	33	✓	✓	✓	✓	✓		★
GRAPHITE	0.29	0.86		29	✓						
HARTFORD GREEN	0.29	0.86	0.30	29	✓		✓	✓	✓		
HEMLOCK GREEN	0.29	0.86	0.30	29	✓		✓		✓		★
HUNTER GREEN	0.27	0.86	0.26	26	✓		✓				★
INTERSTATE BLUE					✓		✓		✓		
MANSARD BROWN	0.29	0.86	0.27	29	✓	✓	✓	✓	✓		★
MATTE BLACK					✓		✓	✓	✓	✓	
MEDIUM BRONZE	0.26	0.88	0.25	26	✓	✓	✓	✓	✓	✓	★
MIDNIGHT BRONZE	0.06	0.88		0	✓			✓			
MILITARY BLUE	0.29	0.87	0.28	29	✓		✓				★
MUSKET GRAY	0.31	0.87	0.30	32	✓	✓	✓		✓		★
PATINA GREEN	0.33	0.86	0.32	34	✓		✓				★
SANDSTONE	0.49	0.87	0.49	56	✓	✓	✓	✓	✓	✓	★
SIERRA TAN	0.36	0.87	0.36	39	✓	✓	✓	✓	✓		★
SLATE BLUE	0.25	0.87	0.24	24	✓		✓				★
SLATE GRAY	0.37	0.88	0.36	40	✓	✓	✓	✓	✓		★
STONE WHITE	0.64	0.87	0.61	77	✓	✓	✓	✓	✓	✓	★
TEAL	0.26	0.87	0.26	25	✓		✓				★
TERRA COTTA	0.36	0.88	0.35	39	✓		✓		✓		★
<b>PAC-CLAD PREMIUM COLORS</b>											
AGED COPPER	0.26	0.87	0.25	25	✓		✓		✓		★
ANODIC CLEAR	0.54	0.81		61				✓			
CHAMPAGNE	0.40	0.82	0.36	42	✓		✓	✓	✓		★
COPPER PENNY	0.47	0.87	0.44	53	✓		✓	✓	✓		★
SILVER	0.49	0.81	0.46	54	✓	✓	✓	✓	✓		★
SILVERSMITH	0.53	0.81		60				✓			
WEATHERED COPPER					✓						
WEATHERED STEEL					✓						
WEATHERED ZINC	0.26	0.82	0.23	23	✓	✓	✓		✓		★
ZINC	0.33	0.88	0.32	35	✓		✓	✓	✓		★
<b>CLEAR-COAT ACRYLIC FINISH (NON-KYNAR)</b>											
GALVALUME PLUS	0.68	0.14	0.55	57	✓	✓					★

PAC-CLAD® Metallic finishes are available from stock at a moderate extra cost. PAC-CLAD® Copper Penny is a Non-Weathering finish. Solar Reflectance Index calculated according to ASTM E-1980.  
 \*Low Gloss/Low Sheen, full 70% PVDF finish

**ENERGY STAR® PERFORMANCE CRITERIA:**

Emissivity uses ASTM C1371 Reflectivity uses ASTM C1549.

**TECHNICAL DATA FOR KYNAR 500®/HYLAR 5000® COATING:**

- ▶ South Florida Exposure: Color (ASTM D 2244) - No more than 5ΔE Hunter units at 20 years; Chalk (ASTM D 4214) - Rating no less than 8 at 20 years; Film integrity - 20 years.
- ▶ Accelerated Weathering (ASTM D 4587, ASTM G 154): 5000 Hours, QUV-A, 340 NM Bulb - Chalk, per ASTM D 4214, rating of 6 or better; Color, per ASTM D 2244, < 5ΔE (Hunter Units) color change.

- ▶ Humidity Resistance (ASTM D 2247): Galvalume or HDG, 100% RH, 2000 hours - No field blisters; Aluminum, 100% RH, 3000 hours - No field blisters
- ▶ Salt Spray Resistance (ASTM B 117): Aluminum, 3000 hours, Galvalume or HDG, 1000 hours - Creep from scribe no more than 1/16", no field blisters
- ▶ Chemical/Acid Pollution Resistance (ASTM D 1308): Pass
- ▶ T-Bend (ASTM D 4145): 1T - 3T with no loss of adhesion
- ▶ Pencil hardness (ASTM D 3363): HB - 2B
- ▶ Specular Gloss (ASTM D 523) @ 60 degrees: Typical - 20 - 35

- ▶ Abrasion Resistance (ASTM D 968): 80 +/- 10 liters
- ▶ Cross Hatch Adhesion (ASTM D 3359): No loss of adhesion
- ▶ Reverse Impact (ASTM D 2794): Galvalume or HDG, 2x metal thickness inch-pounds, no loss of adhesion; Aluminum, 1.5x metal thickness inch-pounds, no loss of adhesion
- ▶ Flame Test (ASTM E 84): Class A Coating
- ▶ Water Immersion (ASTM D 870): 500 hours, 100 degrees, no loss of adhesion

PAC-CLAD is a registered trademark of Petersen Aluminum Corp. Kynar 500 is a registered trademark of Arkema Inc. Hylar 5000 is a registered trademark of Solvay Solexis. 8/2016



IMG Academy, Bradenton, FL  
 Installing contractor: Sutter Roofing Co.  
 Architect: Fawley-Bryant  
 General contractor: Tandem Construction  
 Distributor: ABC Supply  
 Profiles: Highline S1  
 Colors: Cityscape, Musket Gray



Marist High School, Atlanta, GA  
 Architect: S/L/A/M Collaborative  
 Installing contractor: SECO Architectural Systems  
 Profile: M-36 Panels  
 Color: Silver Metallic

**PETERSEN'S FULL LINE OF PRODUCTS INCLUDES:**

- > STANDING SEAM METAL ROOFING

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- > PRECISION SERIES WALL PANELS

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- > FLUSH PANELS

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- > EXPOSED FASTENER PANELS

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- > FASCIA AND COPING SYSTEMS

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- > SOFFIT PANELS

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- > COIL AND FLAT SHEET



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