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 PAC-CLAD 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; Phoenix, Arizona; and Acworth, Georgia, plus a regional sales office in Andover, Minnesota. 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.
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

Cover Photo: 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
PRECISION SERIES WALL PANELS

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 on the through-fastened leg; longer lengths available on clip panels

MATERIAL
- 43 stocked colors (24 gauge steel)
- 36 stocked colors (.032 aluminum)
- 16 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
- AAMA 501.1-05-B1, B2, C2, S1
- ASTM 1592

FLORIDA BUILDING PRODUCT APPROVALS
Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.

Herrington-Ornelas HealthPark
Owner: Christus Trinity Mother Frances Health System
Architect: HC Architects
General contractor: WRL General Contractors
Installing contractor: Tyler Roofing
Profiles: Snap-Clad, HWP, Flush, Custom Coping
Colors: Champagne, Dark Bronze

HWP
WITH OR WITHOUT CLIP

MATERIALS
- .032 aluminum
- .040 aluminum
- .050 aluminum

SPECS
- 12” or 16” Wide
- 7/8” High

HIGHLINE B1
WITH OR WITHOUT CLIP

MATERIALS
- .032 aluminum
- .040 aluminum
- .050 aluminum

SPECS
- 11.356” Wide
- 1-3/8” High

HIGHLINE B2
WITH OR WITHOUT CLIP

MATERIALS
- .032 aluminum
- .040 aluminum
- .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, and can be intermixed 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; minimum panel length is 4’. Additionally, these wall panels can be specified as perforated in aluminum only for use in equipment screen applications or over graphics.
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 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.

**Leveling**

Petersen’s Flush panels are formed on precision roll-forming equipment that includes levelers. Leveling removes typical metal conditions including coil set, crowning and edge wave. 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 (0.032 – 0.063 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.
Goose Creek High School, Goose Creek, SC  
Owner: Berkeley County School District  
Architect: SGA Architecture  
General Contractor: Thompson Turner Construction  
Installing contractor: Glasgow Roofing  
Distributor: Roofer’s Supply of Greenville  
Profiles: HWP C, Flush Panel with pencil ribs  
Color: Silver

*Limited color availability. 12" O.C. has reduced fastening flange. A complete specification is available online at pac-clad.com.

PRODUCT FEATURES
- Leveled for flatness
- Available with up to two stiffener beads
- Rounded interlock leg provides improved flush fit
- 30-year non-prorated finish warranty
- Panel lengths from 4’ to 25’

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

ASTM TESTS - FLUSH
- ASTM E330 tested - 12" only
- ASTM 1592
- ASTM E283
- ASTM E331
- AAMA 501.1-05

FLORIDA BUILDING PRODUCT APPROVALS
Please refer to pac-clad.com or your local factory for specific product approval numbers for Flush panels.

FLUSH PANEL

MATERIALS
- .032 aluminum
- .040 aluminum*

SPECS
- 7", 11", or 12" O.C.
- 1" High

REVEAL PANEL

MATERIALS
- .032 aluminum
- .040 aluminum*

SPECS
- 7", 11", or 12" O.C.
- 1" High

Wall Panels
- FLUSH
  - Smooth
    - w/ One Stiffener Bead (Optional)
    - w/ Two Stiffener Beads (Optional)
  - 7", 11", or 12" O.C.
  - 1"
    - 1-1/2"

Wall Panels
- REVEAL
  - Smooth
    - w/ One Stiffener Bead (Optional)
    - w/ Two Stiffener Beads (Optional)
  - 7", 11", or 12" O.C.
  - 1"
    - 1-1/2"
  - 11" or 12" O.C.
    - 1"
    - 1-1/2"
Petersen offers a complete line of exposed fastener panels, allowing for creative design flexibility in a cost-effective yet architecturally attractive metal panel. The versatile 7.2 panel, R-36 and ¾” Corrugated panels can be specified for a wide range of building envelope applications including roofs, walls and linear panels. The M-36, M-42 and ½” 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.

PRODUCT FEATURES
- 30-year non-prorated finish warranty
- Matching screws and rivets
- Closure strips available
- Precut short lengths (5’-0’ minimum)
  (3’-0’ on the M-42)
- Panel lengths up to 30’ on steel and 22’ on aluminum

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

FLORIDA BUILDING PRODUCT APPROVALS
Please refer to pac-clad.com or your local factory for specific product approval numbers for exposed fastener panels.

Photo above:
Paxxon River Naval Air Museum & Visitor Center, Lexington Park, MD
Architect: Westlake Reed Leskosky
General Contractor: Biscayne Construction Inc.
Installer: AGM Contracting Inc.
Profile: PAC-CLAD 7/8” Corrugated
Color: Custom Cadet Grey
**R-36 PANEL**

- 1/2" Corrugated
- 7/8" Corrugated

**M-42 PANEL**

- 6" Corrugated
- 1-1/2" Corrugated

**M-36 PANEL**

- 6" Corrugated
- 1-1/32" Corrugated

**7.2 PANEL**

- 7/8" Corrugated
- 1" Corrugated

*Note: Made only in Tyler, Texas facility*

---

**7/8" CORRUGATED**

- 39.75" Coverage with 1 Lapped Rib for Siding
- 37.33" Coverage with 1 Lapped Rib for Roofing

**1/2" CORRUGATED**

- 44.5" Coverage with 1 Lapped Rib for Siding
- 42.67" Coverage with 1 Lapped Rib for Roofing

*Note: The M-36 and M-42 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.*

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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
ANODIZED ALUMINUM

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.

<table>
<thead>
<tr>
<th>PAC 500</th>
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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.

<table>
<thead>
<tr>
<th>PAC 300</th>
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</table>
In addition to offering the industry’s widest selection of 70% 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.
Petersen 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 color options.

PRODUCT FEATURES
- Available in a wide variety of non-PAC-CLAD colors and finishes
- Precise fabrication to meet exacting tolerances
- Rout-and-return fabrication
- Welded corners available

MATERIAL
- 3mm, 4mm, 6mm – Composite
- .063 - .125 Mill Finish Aluminum
- Zinc
- Stainless steel
- Anodized aluminum

TESTS
- ASTM E283*, ASTM E330*, ASTM E331*
  * Composite material only
**COLUMN COVERS**

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

**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)

**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.

**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 70% PVDF (Kynar) finish on the top side, with a washcoat on the bottom. Other metals available include mill finish aluminum, bare galvanized steel, stainless steel, Galvalume Plus and anodized aluminum.

A strippable vinyl film can be applied to coil, flat sheet or fabricated parts to protect painted surfaces. Vinyl masking is recommended where extra handling is expected. NOTE: Film must be removed immediately after installation.

FINISH WARRANTY
Life expectancy is 30-years plus on 70% 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, Weathered Steel and Weathered Copper.

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 all building envelope applications. A PAC-CLAD metallic 30-year, non-prorated finish warranty applies. Proper orientation is required as this is a directional finish.

NOTE: Colors below are not exact representations of actual PAC-CLAD colors. Ask a PAC representative for a color-chip chart or painted metal samples before making final color selection.

STANDARD COLORS

PREMIUM COLORS

Petersen Aluminum has been a proud partner with Sherwin-Williams Coil Coatings since 1972

NOTE: Colors below are not exact representations of actual PAC-CLAD colors. Ask a PAC representative for a color-chip chart or painted metal samples before making final color selection.
## PAC-CLAD® COLOR AVAILABILITY

<table>
<thead>
<tr>
<th>PAC-CLAD STANDARD COLORS</th>
<th>REFLECTIVITY</th>
<th>EMISSIVITY</th>
<th>3 YEAR EXPOSURE</th>
<th>SRI</th>
<th>STEEL 24 GA.</th>
<th>ALUMINUM .032</th>
<th>ENERGY STAR</th>
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### PAC-CLAD PREMIUM COLORS

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<tr>
<th>PAC-CLAD PREMIUM COLORS</th>
<th>REFLECTIVITY</th>
<th>EMISSIVITY</th>
<th>3 YEAR EXPOSURE</th>
<th>SRI</th>
<th>STEEL 22 GA.</th>
<th>ALUMINUM .040</th>
<th>ENERGY STAR</th>
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### CLEAR-COAT ACRYLIC FINISH (NON-KYNAR)

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<th>CLEAR-COAT ACRYLIC FINISH (NON-KYNAR)</th>
<th>REFLECTIVITY</th>
<th>EMISSIVITY</th>
<th>3 YEAR EXPOSURE</th>
<th>SRI</th>
<th>STEEL 22 GA.</th>
<th>ALUMINUM .050</th>
<th>ENERGY STAR</th>
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<td>GALVALUME PLUS</td>
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PAC-CLAD® Premium 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, 70% PVDF finish ** Appearance differs for Black Aluminum and Matte Black Steel

**ENERGY PERFORMANCE CRITERIA:**
- Emissivity: ASTM C1371 Reflectivity: 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 2244) – Rating no less than 8 at 20 years; Film integrity – 20 years.
  - Accelerated Weathering (ASTM G 4587, ASTM G 154): 5000 Hours; Chalk, per ASTM D 4214, rating of 6 or better; Color, per ASTM D 2244, > S&E Hunter Unit 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 – 2H
  - Specular Gloss (ASTM D 523): @ 60 degrees; Typical – 20 – 35
  - Abrasion Resistance (ASTM D 968): 67 +/- 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
- 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.
PETERSEN’S FULL LINE OF PAC-CLAD PRODUCTS INCLUDES:

> STANDING SEAM METAL ROOFING

> PRECISION SERIES WALL PANELS

> FLUSH PANELS

> EXPOSED FASTENER PANELS

> FASCIA AND COPING SYSTEMS

> SOFFIT PANELS

> COIL AND FLAT SHEET