PAC-CLAD®

PETERSEN

A CARLISLE COMPANY

Architectural Metal Roof, Wall and Perimeter/Roof Edge Systems

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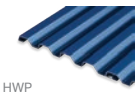
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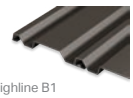
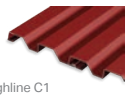
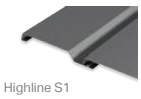

Highline B1

Highline B2


Highline C1

Highline C2

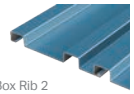
Highline M1

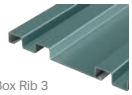

Highline S1

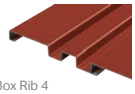
Highline S2

10 PRECISION SERIES BOX RIB WALL PANELS

Box Rib 1


Box Rib 2


Box Rib 3


Box Rib 4

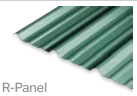
11 PRECISION SERIES TILES

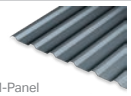
12-13 FLUSH AND REVEAL WALL PANELS

Flush Panel

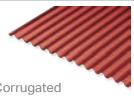
Reveal Panel

14-15 EXPOSED FASTENER PANELS


R-Panel


M-Panel

7.2 Panel


Corrugated

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17 PERFORATED METAL

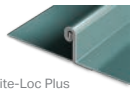
18-21 ROOF PANEL APPLICATIONS

22-23 SNAP-CLAD

Snap-Clad

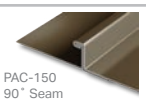
24-25 TITE-LOC

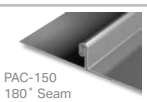
Tite-Loc


Tite-Loc Plus

26-27 PAC-150*

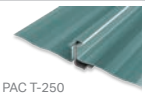
* Available only from our Georgia, Arizona and Maryland facilities


PAC-150 90˚ Seam


PAC-150 180˚ Seam

28-29 PAC T-250

**Available only in Illinois and Texas facilities


PAC T-250

30-31 SNAP-ON

Snap-On SS

Snap-On Batten

High Snap-On SS

32-33 REDI-ROOF

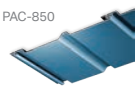
Redi-Roof SS w/ Offsets

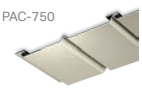
Redi-Roof SS w/o Offsets

34-35 SOFFIT PANELS

Flush Soffit

Reveal Soffit


PAC-850


PAC-750

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Cover photo:
Doris M. Reed Elementary School, Las Vegas, NV
Contractor: Andy Russo Jr. Inc.
Architect: Gensler & Associates
GC: Martin Harris Construction
Owner: Clark County School District
Photo: Alan Blakely
Profile: Precision Series HWP
Color: Custom blue

PAC-CLAD® PRODUCT RANGE

Petersen Aluminum Corporation (PAC), a Carlisle Company, was founded in 1965 as a metals service center to the architectural metal industry. Petersen provides products of the highest possible quality within reliable, dependable lead times. Petersen's strong national sales base allows for large inventories and cost economies for its customers.

Headquartered in Elk Grove Village, Illinois, located just outside of Chicago, Petersen also operates full production facilities in Annapolis Junction, Maryland; Tyler, Texas; Phoenix, Arizona and Acworth, Georgia, plus a regional sales office in Andover, Minnesota. In addition to the information found in this catalog, PAC maintains an extensive website at pac-clad.com where a PDF of this catalog is available in digital format and within the E-Binder on its website.

Technical assistance and service are available and complemented locally by a nationwide organization of architectural representatives who can offer assistance in material selection, finish specification and budgeting. Because Petersen's scope of applications is so wide, inquiries are encouraged.

PAC-CLAD ARCHITECTURAL SHEET AND COIL

PAC-CLAD is a versatile prefinished sheet metal coating of 70% polyvinylidene fluoride (PVDF) that is applied to Galvalume steel or prime quality aluminum. Originally developed for use in abrasive environments, PAC-CLAD has proven to be ideally suited for applications in roofing, wall, curtainwall, storefront and trim applications. PAC-CLAD is available in 46 standard colors carefully selected to complement a range of building materials and designs.

PAC-CLAD PANELS

Petersen is an industry leader in providing factory-produced architectural metal panels, maintaining extensive roll-forming equipment in all regional plants. Standing seam, exposed fastener, soffit and wall panels are factory-formed in lengths up to 64'. Refer to the specific product pages, or consult the local factory, for maximum lengths and capabilities for each facility. Matching flashing and trim also may be factory-formed, or field-formed from PAC-CLAD material.

PAC-CLAD ACCESSORIES

Petersen fabricates a wide range of roofing accessories from stocked PAC-CLAD colors and gauges. Trim, gutters and downspouts can be produced from Petersen's 46 standard PAC-CLAD colors.

PERIMETER/ROOF EDGE SYSTEMS

Petersen's perimeter/roof edge product line provides the complete system to ensure a clean, sure-fitting product while eliminating the need for field fabrication. All PAC perimeter systems are produced in 12' lengths for an estimated 20 to 40 percent savings in material handling over the typical 8' or 10' lengths. Perimeter systems are competitively priced while providing superior strength, aesthetics and ease of installation. Perimeter products are tested to the standards of ANSI/SPRI/FM 4435/ES-1, Miami-Dade and FM. For information on our coping and fascia products, please see page 40-41 of this catalog or visit pac-clad.com.

Latrobe Elementary School, Latrobe, PA
Contractor: Pennsylvania Roofing Systems
Architect: Axis Architecture
Photo: hortonphotoinc.com
Profiles: Tite-Loc Plus, PAC-750 Soffit
Color: Custom Marquis Orange

PAC-CLAD® COLOR CHART

TRIM

PAC-CLAD products are available in prime quality aluminum (.032 - .063), 24 and 22 gauge Galvalume steel, finished with a 70% PVDF finish on the top side, with a washcoat on the bottom. Other metals available include mill finish aluminum, 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: Vinyl 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 finish warranty covering color fade, chalking and film integrity is available at no extra charge. Warranty for Weathered Steel and Weathered Copper does not cover fade. Warranty for Cardinal Red and Award Blue is 10 years for fade and 20 years for chalking and adhesion.

PREMIUM COLORS

Petersen's premium colors include several metallic finishes, plus two two-coat Weathered Steel and Weathered Copper finishes. These colors are ideal for all building envelope applications. A PAC-CLAD 30-year, non-prorated finish warranty applies.

COMMITMENT TO SUSTAINABILITY

PAC-CLAD products provide unmatched aesthetics and performance, plus an element of sustainability. Where possible, Petersen products include a high percentage of recycled material, which lowers their environmental footprint. Additionally, PAC products are 100% recyclable which may reduce the stream of solid waste to landfills.

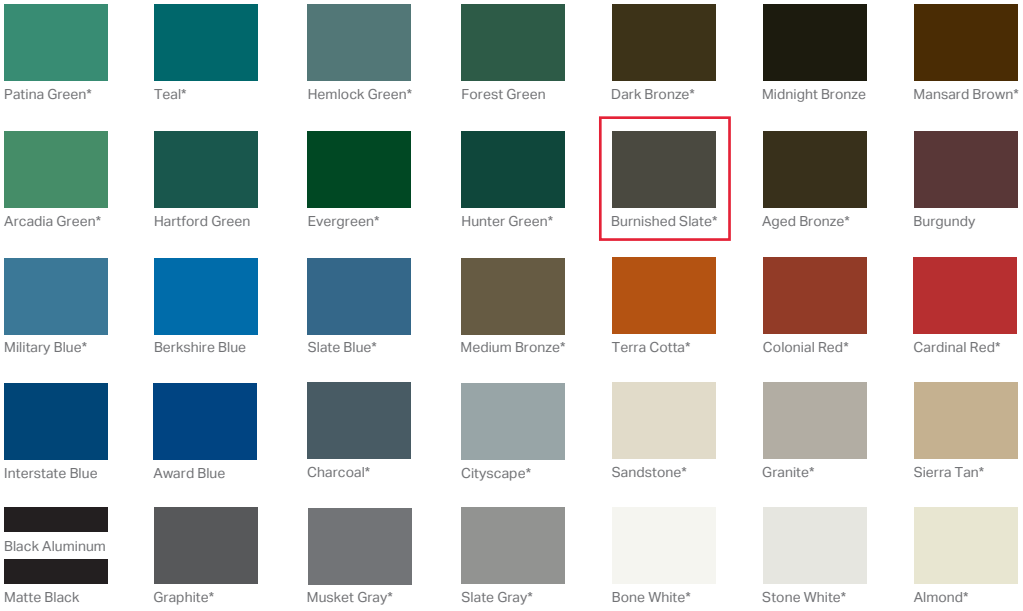
Petersen also offers the industry's widest range of 46 standard colors, most of which feature outstanding SRI (Solar Reflectance Index) values for improved cooling and energy savings performance. Petersen offers 35 finishes that are rated by the Cool Roof Ratings Council and 31 colors that are Energy Star®-approved. In addition, 35 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.

SHERWIN-WILLIAMS. Coil Coatings

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

NOTE: Colors above 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

* Denotes PAC-CLAD Cool Color

PAC-CLAD® COLOR AVAILABILITY

PAC-CLAD STANDARD COLORS	REFLECTIVITY	EMISSIVITY	3 YEAR EXPOSURE	SRI	STEEL		ALUMINUM				20-IN. COIL		ENERGY STAR
					24 GA.	22 GA.	.032	.040	.050	.063	24 GA.	.032	
AGED BRONZE	0.29	0.87	0.27	29	✔								
ALMOND	0.56	0.86	0.55	65	✔	✔	✔	✔	✔		✔		★
ARCADIA GREEN	0.29	0.87	0.29	29	✔		✔						★
AWARD BLUE***	0.24	0.86	0.23	22	✔		✔		✔				
BERKSHIRE BLUE*	0.30	0.87	0.27	31	✔								
BLACK ALUMINUM**	0.04	0.89	0.04	-2			✔	✔	✔	✔			
BONE WHITE	0.70	0.86	0.69	85	✔	✔	✔	✔	✔	✔	✔	✔	★
BURGUNDY	0.14	0.85	0.13	9	✔		✔		✔				
BURNISHED SLATE	0.32	0.87	0.31	33	✔								
CARDINAL RED***	0.44	0.86	0.44	49	✔		✔		✔				★
CHARCOAL	0.30	0.86	0.30	30	✔		✔	✔	✔		✔	✔	★
CITYSCAPE	0.49	0.86	0.50	56	✔	✔	✔	✔	✔		✔	✔	★
COLONIAL RED	0.31	0.86	0.31	31	✔		✔	✔	✔				★
DARK BRONZE	0.29	0.86	0.29	29	✔	✔	✔	✔	✔	✔	✔	✔	★
EVERGREEN	0.28	0.86	0.26	27	✔		✔						★
FOREST GREEN	0.10	0.86	0.10	4	✔	✔	✔	✔	✔				
GRANITE*	0.33	0.87	N/A	34	✔	✔	✔	✔	✔				★
GRAPHITE	0.29	0.87	0.28	29	✔								
HARTFORD GREEN	0.08	0.88	0.08	3	✔		✔	✔	✔				
HEMLOCK GREEN	0.31	0.87	0.30	32	✔		✔		✔				★
HUNTER GREEN	0.28	0.86	0.27	27	✔		✔						★
INTERSTATE BLUE	0.16	0.87	0.15	12	✔		✔		✔				
MANSARD BROWN	0.31	0.86	0.31	31	✔	✔	✔	✔	✔				★
MATTE BLACK STEEL**	0.26	0.86	0.25	25	✔	✔					✔		
MEDIUM BRONZE	0.30	0.87	0.29	31	✔	✔	✔	✔	✔	✔	✔	✔	★
MIDNIGHT BRONZE	0.06	0.87	0.06	0	✔			✔					
MILITARY BLUE	0.31	0.86	0.30	31	✔		✔						★
MUSKET GRAY	0.32	0.86	0.31	33	✔	✔	✔		✔				★
PATINA GREEN	0.33	0.86	0.32	34	✔		✔						★
SANDSTONE	0.48	0.86	0.48	54	✔	✔	✔	✔	✔	✔	✔	✔	★
SIERRA TAN	0.32	0.82	0.31	31	✔	✔	✔	✔	✔		✔		★
SLATE BLUE	0.28	0.86	0.27	27	✔		✔						★
SLATE GRAY	0.38	0.86	0.37	41	✔	✔	✔	✔	✔		✔	✔	★
STONE WHITE	0.69	0.86	0.67	84	✔	✔	✔	✔	✔	✔	✔	✔	★
TEAL	0.32	0.86	0.32	33	✔		✔						★
TERRA COTTA	0.34	0.87	0.33	36	✔		✔		✔		✔	✔	★
PAC-CLAD PREMIUM COLORS													
AGED COPPER	0.55	0.80	0.53	62	✔		✔						★
ANODIC CLEAR	0.32	0.83	0.31	31				✔					
CHAMPAGNE	0.50	0.85	0.49	57	✔		✔	✔	✔				★
COPPER PENNY	0.52	0.81	0.52	58	✔		✔	✔	✔		✔		★
SILVER	0.47	0.87	0.46	53	✔	✔	✔	✔	✔		✔	✔	★
SILVERSMITH	0.32	0.88	0.32	34				✔					
WEATHERED COPPER	0.45	0.88	N/A	51	✔								
WEATHERED STEEL	0.32	0.89	N/A	34	✔								
WEATHERED ZINC	0.48	0.82	0.46	53	✔	✔	✔		✔				★
ZINC	0.42	0.82	0.38	45	✔		✔	✔	✔				★
CLEAR-COAT ACRYLIC FINISH (NON-KYNAR)													
GALVALUME PLUS	0.68	0.14	0.55	57	✔	✔					✔		★

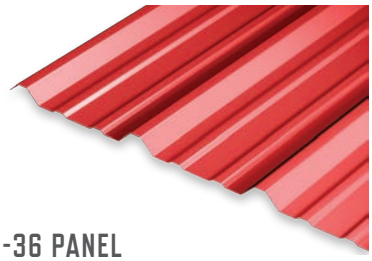
PAC-CLAD Premium finishes are available from stock at a moderate extra cost. PAC-CLAD Copper Penny is a Non-Weathering finish. Solar Reflectance Index calculated according to ASTM E-1980.
*Low Gloss/Low Sheen, 70% PVDF finish ** Appearance differs for Black Aluminum and Matte Black Steel *** 10-year finish warranty

ENERGY STAR PERFORMANCE CRITERIA:
Emissivity uses ASTM C1371 Reflectivity uses ASTM C1549.

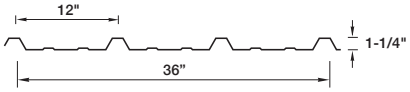
TECHNICAL DATA FOR KYNAR 500/HYLAR 5000 COATING:

- 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; 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 – 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.

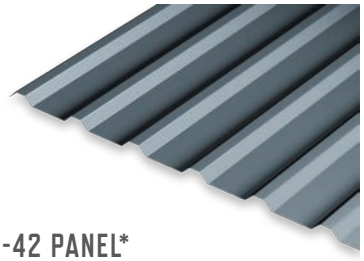


R-36 PANEL

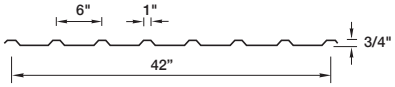


MATERIALS

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

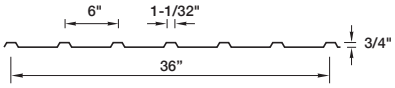


M-42 PANEL*



Note: Made only in Tyler, Texas facility

M-36 PANEL*



MATERIALS

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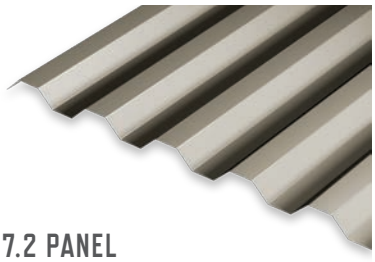
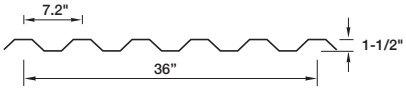
.040 aluminum	22 gauge steel
.050 aluminum	



7.2 PANEL



MATERIALS

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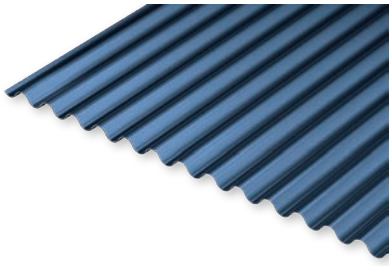
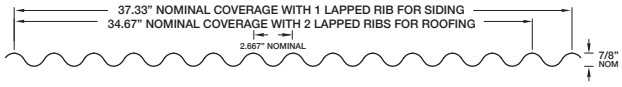
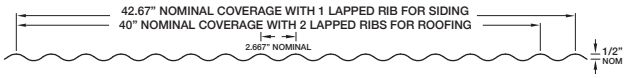
.040 aluminum	22 gauge steel
.050 aluminum	



7/8" CORRUGATED



1/2" CORRUGATED



*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.

Photo at left:
Hurricane Dockside Grill, Hagerstown, MD
Contractor: Heidler Roofing
Photo: David Fonda
Profile: R-36 panel
Color: Cardinal Red

Private Residence, Chicago, IL
Contractor: Custom Installations
Architect: Kipnis Architecture and Planning
Distributor: Sheet Metal Supply
GC: Shardon Builders
Photo: A.J. Brown
Profile: Snap-Clad
Color: Weathered Zinc

UL 90

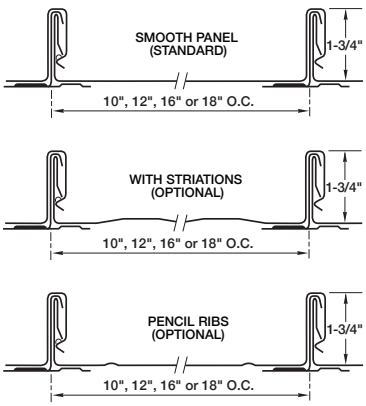
SNAP-CLAD

MATERIALS

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

SPECS

10", 12", 16" or 18" O.C.	1-3/4" High



Las Vegas Ballpark, Las Vegas, NV
Contractor: Southwest Specialty Contractors
Architect: HOK
GC: Penta Building Group
GC: AECOM Hunt Construction Group
Owner: Howard Hughes Corp.
Photo: Alan Blakely
Profile: Snap-Clad
Color: Custom Chocolate Chip