

FM 4881 Approved (Back Fastened)

Engineering Technical Bulletin



Fastening System B

PRODUCT

- ▶ **IWP Series:** Insulated Metal Wall Panel
- ▶ **Profiles:** Corr-Lok, Design-Lok, Mesa-Lok, Shadow-Lok
- ▶ **Thickness:** 2, 2.5, 3, 4, 5, 6 in. (51, 64, 76, 102, 127 and 152 mm)
- ▶ **Core Material:** PIR
- ▶ **Width:** 24, 30, 36 and 42 in. (610, 762, 914 and 1067 mm)
- ▶ **Gauge:** min. 26-ga. (0.017 in, 0.43 mm) or heavier (interior and exterior facings)
- ▶ **Finish:** embossed or smooth

TEST PROTOCOL

- ▶ Approval Standard for Class 1 Exterior Wall Systems. Class Number 4881, November 2007

TEST LOCATION:

- ▶ FM Approvals, 743 Reynolds Road, West Glocester, RI 02814

REPORT NUMBER:

- ▶ 3049113

LISTING:

PRODUCT	WIDTH	PANEL THICKNESS	SECUREMENT	HAIL RESISTANCE RATING	WIND LOAD RATING & ZONE	MAX SUPPORT STEEL SPACING	MIN SUPPORT STEEL THICKNESS	MIN SUPPORT STEEL YIELD STRESS
PAC-CLAD INSULATED METAL PANELS (CORR-LOK, DESIGN-LOK, MESA-LOK, SHADOW-LOK)	42 IN. (1067MM)	2.0 - 6.0 IN. (51 - 152 MM)	FASTENING SYSTEM B	VERY SEVERE HAIL (VSH)	CLASS +95/-133 ZONE TC	36 IN. (914 MM), 3'-0"	14 GA., 0.071 IN. (1.80 MM)	34 KSI (234 MPA)
					CLASS +70/-98 ZONE TC	48 IN. (1219 MM), 4'-0"		
					CLASS +55/-77 ZONE TC	60 IN. (1524 MM), 5'-0"		
					CLASS +45/-63 ZONE TC	72 IN. (1829 MM), 6'-0"		
					CLASS +40/-56 ZONE TC	84 IN. (2134 MM), 7'-0"		
					CLASS +35/-49 ZONE TC	96 IN. (2438 MM), 8'-0"		
					CLASS +30/-42 ZONE NTC	108 IN. (2743 MM), 9'-0"		

Table Notes: Panels rated for Zone TC (Tropical Cyclone) may be used in Zones TC and NTC (Non-Tropical Cyclone). See Below for installation details for specific exterior wall panels.

PAC-CLAD Insulated Metal Panels (Corr-Lok, Design-Lok, Mesa-Lok, Shadow-Lok) minimum 0.017 (0.43) mm thick prefinished (optional) Galvalume® steel facers installed vertically or horizontally over steel structural members as indicated in the table above. Fastening System B - Panels are secured to structural framing using a "hidden" 4 in. (100 mm) long by 14 ga. [0.071 in. (1.80 mm)] thick steel clip and two (2) ¼ - 14 x 2 SDS 3/8 in. (9.5 mm) hex head #3 drill point self drilling fasteners within each panel side lap in each panel side joint to each

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supporting member; in addition, three (3) Fab-Lok fasteners (10-4, 10-8 or 10-12 suitable for the thickness of the structural member) per bearing through the structural member into the interior panel facer spaced 10.5 +/-1.5 in (267 +/-38 mm) from the center of each clip and 10.5 +/-1.5 in. (267 +/-38 mm) between Fab-Loks through holes predrilled with a 5/16 in. (7.9 mm) dia. drill bit.

Green - This product contains no CFC or HCFC.

Green - This product contains no urea-formaldehyde.



Company Name:	Petersen Aluminum Corporation
Company Address:	1005 Tonne Road, Elk Grove Village, IL 60007
Company Website:	www.pac-clad.com
Green Product:	Yes
Application:	Walls and Ceilings
Class 1 Type/Rating:	Inert-Faced with Combustible Core
Height Restriction:	No Height Restriction
Listing Country:	United States of America
Certification Type:	FM Approved
Class of Work:	4881-Exterior Wall Systems

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