PL42-MW Hourly Rated Wall Panels

AWIP PRODUCT DATA SHEET



Features & Benefits

- Non-combustible and does not contribute to flame spread
- 42" wide modules for more efficient installation
- The exterior metal surface is embossed 26 gauge G90/AZ50 steel with standard PVDF and SMP exterior coatings (other coatings may be available).
- The standard interior metal surface is embossed 26 gauge Imperial White.
- The panel arrives on site in one piece and requires a simple one step installation reducing construction time and costs.



INTERIOR SIDE

Profile	Exterior	Stucco o	or Non-Embossed	
	Interior	Stucco o	or Non-Embossed	
Exterior Face Skin	26 Gauge G90/AZ50, Optional Gauges: 24 and 22 G90/AZ50			
Interior Face Skin	26 Gauge G90/AZ50, Optional Gauges: 24 and 22 G90/AZ50			
Panel Module	42"[1067mm]			
Lengths	Minimum: 8'[2.44m], Maximum: 48'[14.63m]			
Side Lap	Tongue and Groove			
Thermal Performance ⁺				
Thickness	4"[102mm]		6"[152mm]	8"[203mm]
R-Value @ 75°F mean (°F·ft2·h/BTU)	16		24	32
U-Value @ 75°F mean (BTU/°F·ft2·h)	0.0625		0.0416	0.0312

Product Specifications

⁺ Thermal values as tested per ASTM C518

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Testing & Approvals

Category	Test	Test Title	Results	
Fire	ASTM E119	Hourly Fire Wall/Ceiling Rating	Passed 1 hour (Wall 4"[102mm], Ceiling 6"[152mm]) Passed 2 hour (Wall 6"[125mm]) Passed 3 hour (Wall 8"[203mm])	
	CAN/ULC S101	Hourly Fire Wall/Ceiling Rating	Passed 1 hour (Wall 4"[102mm], Ceiling 6"[152mm]) Passed 2 hour (Wall 6"[125mm]) Passed 3 hour (Wall 8"[203mm])	
	ASTM E84 (mineral wool core)	Surface Burning Characteristics of Building Materials	Flame Spread:0 Smoke Developed: 0	
	ASTM E814	Fire Tests of Penetration Firestop Systems	Listed up to 6"[125mm] diameter steel pipe through penetration.	
	CAN/ULC-S114	Standard Method of Test for Determination of Non-Combustibility in Building Materials	Non-combustible	
	CAN/ULC-S115	Standard Method of Fire Test of Firestop Systems	Passed.	
Water Penetration	ASTM E331	Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uni- form Static Air Pressure Difference	No uncontrolled water penetration at 20 PSF differential pressure	
Air Infiltration	ASTM E283	Rate of Air Leakage Through Exterior Win- dows, Curtain Walls, and Doors	<0.03 CFM/ft ² of Panel Area at 6.24 PSF	
Structural	ASTM E72	Standard Test Methods of Conducting Strength Tests of Panels for Building Con- struction	See Span Tables	
Thermal	ASTM C518	Steady-State Thermal Transmission	Nominal R-value of 4.0 [hr·ft2·°F/Btu] per inch at 75°F mean temperature	



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