

HE42-MW

Hourly Rated Wall Panels

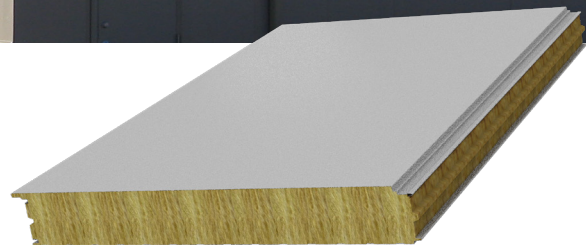
AWIP PRODUCT DATA SHEET



Image shown is a representation of HE42-MW not the actual profile

Features & Benefits

- Non-combustible and does not contribute to flame spread
- 42" wide modules for more efficient installation
- Made from natural and recycled materials
- Available in 1, 2, and 3-hr fire rated wall assemblies
- The exterior metal surface is embossed 24 gauge G90/AZ50 steel with standard PVDF and SMP exterior coatings



42"[1067mm]

EXTERIOR SIDE



INTERIOR SIDE

Product Specifications

Profile	Exterior	Heavy Embossed	
	Interior	Standard Embossed	
Exterior Face Skin	24 Gauge G90/AZ50, Optional Gauges: 22 G90/AZ50		
Interior Face Skin	26 Gauge G90/AZ50, Optional Gauges: 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·ft ² ·h/BTU)	16	24	32
U-Value @ 75°F mean (BTU/°F·ft ² ·h)	0.0625	0.0416	0.0312

[†] Thermal values as tested per ASTM C518

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All Weather
Insulated Panels

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 Uniform Static Air Pressure Difference	No uncontrolled water penetration at 20 PSF differential pressure
Air Infiltration	ASTM E283	Rate of Air Leakage Through Exterior Windows, 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 Construction	See Span Tables
Thermal	ASTM C518	Steady-State Thermal Transmission	Nominal R-value of 4.0[hr-ft ² -°F/Btu] per inch at 75°F mean temperature



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