



Features & Benefits

- Wide modules reduce panels allowing faster installation
- Versatile panel that can be configured as partition walls or ceiling panels
- Bright, clean uniform surface that is durable and washable
- Can be incorporated with other AWIP panels, accessories, and products for a complete system for controlled environment applications



Product Specifications±

Profile	Exterior	Embossed, Lightly Planked, Mesa Rib, Optional Flat					
	Interior	Embossed, Lightly Planked, Mesa Rib, Flat					
Exterior Face Skin	26 Gauge G90/AZ50, Optional Gauges: 24 and 22 G90/AZ50, 26 304 2B Stainless Steel						
Interior Face Skin	26 Gauge G90/AZ50, Optional Gauges: 24 and 22 G90/AZ50, 26 304 2B Stainless Steel						
Panel Module**	44"[1118mm]						
Lengths**	Minimum: 8'[2.44m], Maximum: 50'[15.24m]						
Side Lap	Double Tongue and Groove						
GWP±	5.6 to 10.5 Lb CO ₂ eq/ft² [27.2 to 51.2 kg CO ₂ eq/m²]						
Core Type	Polyisocyanurate/ PIR						
Thermal Performance†							
Thickness	2"[51mm]	2.5"[64mm]	3"[76mm]	4"[102mm]	5"[127mm]	6"[152mm]	8"[203mm]
R-Value @ 75°F mean (°F·ft²·h/BTU)	14.4	18.0	21.6	28.8	36.0	43.2	57.6
U-Value @ 75°F mean (BTU/°F·ft²·h) ‡	0.102	0.088	0.073	0.044	0.033	0.022	0.023
R-Value @ 35°F mean (°F·ft²·h/BTU)	16.4	20.5	24.6	32.8	41.0	49.2	65.6
U-Value @ 35°F mean (BTU/°F·ft²·h) ‡	0.093	0.078	0.064	0.034	0.027	0.020	0.018

± IP44 is for interior applications only

** Contact AWIP for Custom Sizes

† R-values as tested per ASTM C518

‡ U-values as tested per ASTM C1363

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All Weather
Insulated Panels

Testing & Approvals

Category	Test	Test Title	Results
Fire	FM 4880	Class 1 Fire Rating of Insulated Wall, Ceiling and Roof Panels	Passed: Class 1 Fire Rating of Building Panels or Interior Finish Material
	ASTM E84	Surface Burning Characteristics of Building Materials	Flame Spread Index: 25 or less Smoke Developed Index: 450 or less
	NFPA 286	Room Fire Growth for Wall and Ceiling Interior	Passed
	CAN/ULC S101 - 15 min	Fire Endurance	Maximum 6"[152mm] thickness. Vertical and horizontal orientations
	CAN/ULC S102	Flame Spread/Smoke Developed	FSI \leq 20, SDI \leq 195
	CAN/ULC S138	Room Corner Test	Maximum 6"[152mm] thickness
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 for a duration of 2-hours
Air Infiltration	ASTM E283	Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors	<0.01 CFM/ft ² of Panel Area at 20 PSF
Structural	ASTM E72	Standard Test Methods of Conducting Strength Tests of Panels for Building Construction	See Span Tables
	ASTM E1592	Structural Performance for Sheet Metal and Sidings Systems by Uniform Static Air Pressure Difference	See Span Tables
Thermal	ASTM C518	Steady-State Thermal Transmission	Nominal R-value of 7.2 [hr·ft ² ·°F/Btu] per inch at 75°F mean temperature and 8.2 [hr·ft ² ·°F/Btu] per inch at 35°F mean temperature
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus	U-values are tested with 2", 4" 6" and 8" thicknesses. U-values for other thicknesses are interpolated. See U-values in the table on page 1



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product information

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