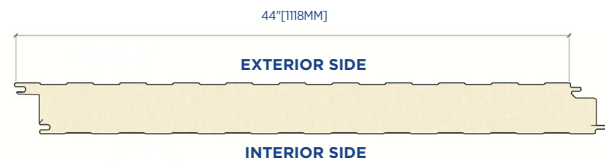




Features & Benefits

- Wider modules reduce number of panels and is ideal for controlled environment interior partition walls
- Composite panel simplifies design, reduces complexity, improves efficiency and reduces installation costs
- Single component wall design includes clean aesthetic, thermal barrier, and washable surfaces
- 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					
	Interior	Embossed, Lightly Planked, Mesa Rib					
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						
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	18	21	28	36	43	57
U-Value @ 75°F mean (BTU/°F·ft²·h)	0.069	0.056	0.046	0.035	0.028	0.023	0.017
R-Value @ 35°F mean (°F·ft²·h/BTU)	16	20	24	32	41	49	65
U-Value @ 35°F mean (BTU/°F·ft²·h)	0.061	0.049	0.041	0.031	0.024	0.020	0.015

± DM44 is for interior applications only

* For interior applications only

** Contact AWIP for Custom Sizes

† Thermal values as tested per ASTM C518

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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 285	Evaluation of Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies	Passed
	NFPA 286	Room Fire Growth for Wall and Ceiling Interior	Passed Maximum 6"[152mm] thickness
	NFPA 268	Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source	Assembly tested meets the requirements of the standard
	CAN/ULC S101 - 15 min	Fire Endurance	Maximum 6"[152mm] thickness. Vertical and horizontal orientations
	CAN/ULC S102	Flame Spread/Smoke Developed	FSI ≤ 20, SDI ≤ 195
	CAN/ULC S134	Exterior Wall Assembly	Maximum 6"[152mm] thickness. Vertical orientations
	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



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