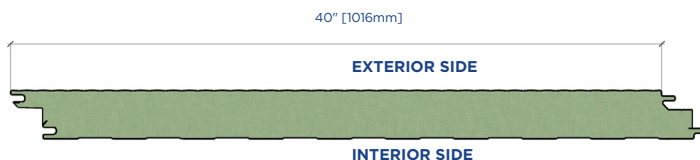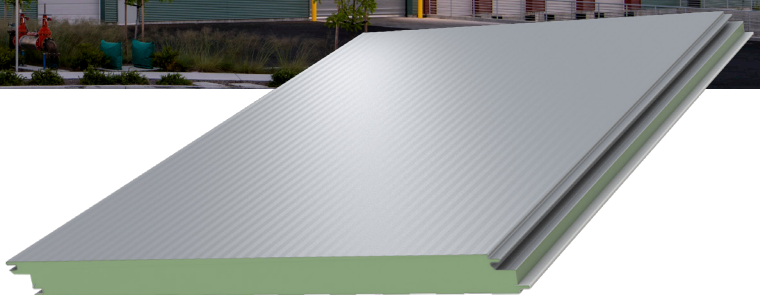## Features & Benefits

- The panel's overlapping joint is self-aligning and allows for easy sealant application at the panel joinery

- The standard exterior metal surface is embossed 24 ga G-90/AZ50 steel with standard PVDF and SMP exterior coatings. (Other coatings may be available.)

- Slight undulations in the exterior surface ripple light and limit appearance of surface imperfections

- Composite panel simplifies design, reduces complexity, improves efficiency and reduces installation costs

40" [1016mm]

EXTERIOR SIDE

INTERIOR SIDE

Product Specifications

Profile	Exterior	Embossed, Striated
	Interior	Embossed, Lightly Planked, Mesa Rib
Exterior Face Skin	24 Gauge G90/AZ50, Optional Gauges: 22 G90/AZ50	
Interior Face Skin	26 Gauge G90/AZ50, Optional Gauges: 24 and 22 G90/AZ50, 26 304 2B Stainless Steel*	
Panel Module**	40" [1016mm]	
Lengths**	Minimum: 8' [2.44m], Maximum: 50' [15.24m]	
Side Lap	Double Tongue and Groove	
GWP	Available Upon Request	
Core Type	InnovaCELL Technology	

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)	16	20	24	32	40	48	64
U-Value @ 75°F mean (BTU/°F·ft2·h)‡	0.068	0.054	0.046	0.035	0.029	0.025	0.019
R-Value @ 35°F mean (°F·ft2·h/BTU)	17	21.25	25.5	34	42.5	51	68
U-Value @ 35°F mean (BTU/°F·ft2·h)‡	0.063	0.050	0.042	0.032	0.026	0.022	0.016

* For interior applications only
** Contact AWIP for Custom Sizes
† R-values as tested per ASTM C518
‡ U-values as tested per ASTM C1363

InnovaCELL™

Testing & Approvals

Category	Test	Test Title	Results
Fire	FM 4882	Class 1 Interior Wall and Ceiling Materials or Systems for Smoke Sensitive Occupancies	Passed
	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
	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] thick. Vertical and horizontal orientations
	CAN/ULC S102	Flame Spread/Smoke Developed	FSI ≤ 20, SDI ≤ 195
	CAN/ULC S134	Exterior Wall Assembly	Maximum 6″ [152mm] thick. Vertical orientations
	CAN/ULC S138	Room Corner Test	Maximum 6″ [152mm] thick. Vertical and horizontal orientations
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/ft2 of Panel Area at 20 PSF
Structural	FM 4881	Class 1 Exterior Wall Systems	See FM Approval Guide or contact Technical Services Minimum 2.5″ [64mm] thickness
	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 8 [hr·ft2·°F/Btu] per inch at 75°F mean temperature and 8.5 [hr·ft2·°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″ and 6″ thicknesses. U-values for other thicknesses are interpolated. See U-values in the table on page 1
Code Approvals	FBC	Florida Building Code	FL15060
	FBC	Florida Building Code- HVHZ	FL47546; minimum 2.5″ [64 mm] thickness