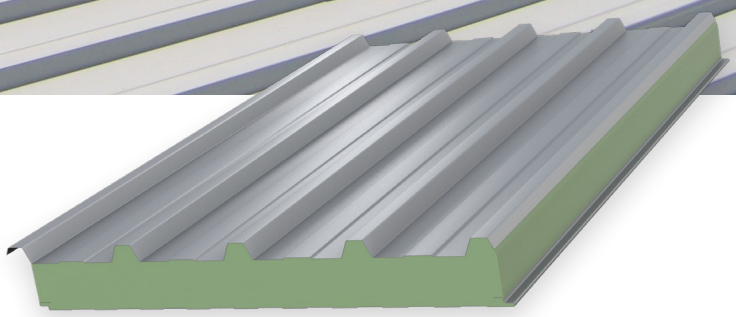
HR5 High Rib Roof Panel with InnovaCELL™ Technology

AWIP PRODUCT DATA SHEET



Features & Benefits

- Field seamed, hidden fastener joinery provides clean appearance and protection against the elements
- Weathertight design for use in both retrofit or new construction applications
- Composite panel simplifies design, reduces complexity, improves efficiency and reduces installation costs
- Single component roof design includes exterior aesthetic, weather barrier, insulation and vapor barrier

Product Specifications

Profile	Exterior	Smooth				
	Interior	Embossed, Lightly Planked, Mesa Rib				
Exterior Face Skin	26 Gauge G90 Galvanized or AZ50 Galvalume. 24 and 22 Gauge optional					
Interior Face Skin	26 Gauge G90/AZ50, Optional Gauges: 24 and 22 G90/AZ50, 26 304 2B Stainless Steel					
Slope Requirements*	Minimum 1:12					
Panel Module**	40" [1016mm]					
Lengths**	Minimum: 8', Maximum: 50'					
Side Lap	Exterior: Trapezoidal Overlap Interior: Shiplap					
GWP	Available Upon Request					
Core Type	InnovaCELL Technology					
Thermal Performance†						
Thickness	1.5" [38mm]	2.5" [64mm]	3" [76mm]	4" [102mm]	5" [127mm]	6" [152mm]
R-Value @ 75°F mean (°F·ft2·h/BTU)	12	20	24	32	40	48
U-Value @ 75°F mean (BTU/°F·ft2·h)‡	0.089	0.054	0.046	0.035	0.029	0.025
R-Value @ 35°F mean (°F·ft2·h/BTU)	12.75	21.25	25.5	34	42.5	51
U-Value @ 35°F mean (BTU/°F·ft2·h)‡	0.083	0.050	0.042	0.032	0.026	0.022

*Contact AWIP for Custom Slope
** Contact AWIP for Custom Sizes
† Thermal values as tested per ASTM C518
‡ U-values as tested per ASTM C1363

InnovaCELL™

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
	NFPA 286	Room Corner Test	Pass Maximum of 6″
	ASTM E84	Surface Burning Characteristics of Building Materials	Flame Spread Index: 25 or less Smoke Developed Index: 450 or less
	ASTM E108	Roof Coverings Fire Test	Pass**
	CAN/ULC S126	Fire Spread Under Roof	Pass
	CAN/ULC S138	Room Corner Test	Pass
Water Penetration	ASTM E1646	Water Penetration	No leakage at 12 PSF***
Air Infiltration	ASTM E1680	Air Infiltration	<0.036 cfm/ft2 @ 20 PSF***
Structural	FM 4471	FM Class 1 Panel Roof	Pass. See RoofNav for rated assemblies
	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 Properties by Means of the Heat-Flow Meter Apparatus	Nominal R-value of 8.0 [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 8″ thicknesses. U-values for other thicknesses are interpolated. See U-values in the table on page 1
Code Approvals	TDI	Texas Department of Insurance	RC-683

**Installation into steel supports only
***Tested at flat/no roof slope

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All Weather Insulated Panels