

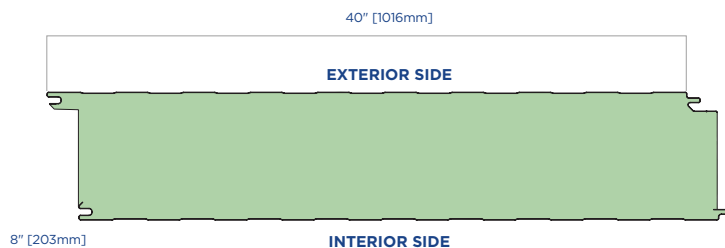
DM40-F+ Mesa Wall Panel with InnovaCELL™ Technology

AWIP PRODUCT DATA SHEET



Features & Benefits

- Tested and certified to meet ASTM E119 standards for 1-hour fire-rated wall assemblies, ensuring code compliance and safety
- High thermal performance combined with fire-resistant properties, ideal for projects requiring both insulation excellence and a 1-hour fire rating without compromise
- Lightweight InnovaCELL foam core enhances ease of handling and increase installation speed versus traditional fire-rated assemblies
- Strength and rigidity of DM40-F+ enables longer panel lengths and design flexibility
- Closed-cell foam technology mitigates vapor intrusion and reduces condensation risk compared to mineral wool



Product Specifications

Profile	Exterior	Embossed, Lightly Planked, Mesa Rib
	Interior	Embossed, Lightly Planked, Mesa Rib
Exterior Face Skin	22 Gauge G90/AZ50	
Interior Face Skin	22 Gauge G90/AZ50	
Panel Module*	40" [1016mm]	
Lengths*	Minimum: 8' [2.44m], Maximum: 50' [15.24m]	
Side Lap	Double Tongue and Groove	
Core Type	InnovaCELL Technology	
Thermal Performance†		
Thickness	8" [203mm]	
R-Value @ 75°F mean (°F·ft²·h/BTU)	64	
U-Value @ 75°F mean (BTU/°F·ft²·h)‡	0.020	

* Contact AWIP for Custom Sizes

** The use of "DM40-F+ offers fire resistance in accordance with ASTM E119

† R-values as tested per ASTM C518

‡ U-values as tested per ASTM C1363

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Testing & Approvals

Category	Test	Test Title	Results
Fire	ASTM E119	Hourly Fire Wall Rating	Passed 1 hour in vertical orientation
	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 Ignitability of Exterior Wall Assemblies Using a Radiant Heat Energy Source	Assembly tested meets the requirements of the standard
Water Penetration	ASTM E331	Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference	No uncontrolled water infiltration at 6.24 PSF differential pressure for a duration of 2-hours
Air Infiltration	ASTM E283	Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors	<0.06 CFM/ft ² of Panel Area at 1.57 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 8.0 [hr-ft ² ·°F/BTU] per inch at 75°F mean temperature
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus	U-values are tested at 8" thickness. See U-values in the table on page 1



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