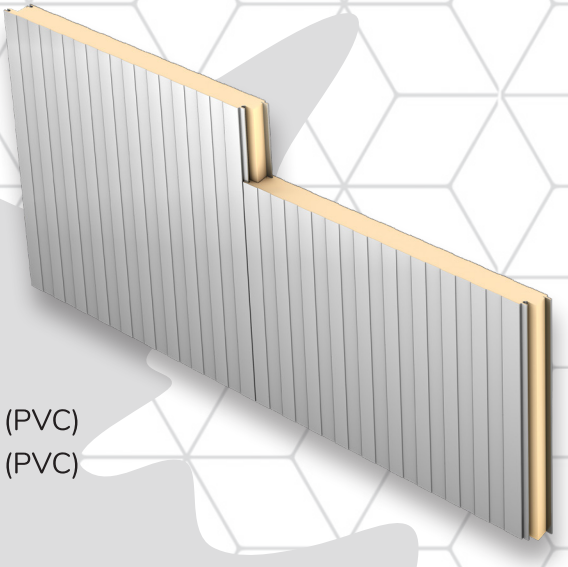
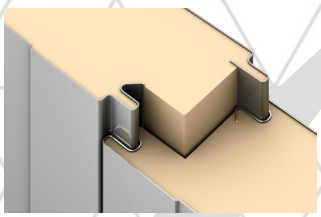
MaxLine
INSULATED METAL PANEL DATA SHEET

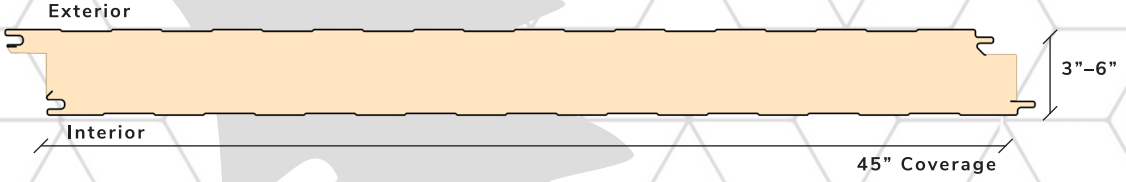
Green Span Profiles®

We specifically designed the MaxLine insulated metal panel as our widest and most economical insulated metal panel offering. It is intended to maximize installation efficiency and maximize cost-effectiveness. The unique Green-Lock side-joint facilitates accurate sealant placement and helps ensure a high-performance vapor seal.

Panel Use	Partition Wall, Liner Wall, Tee Supported Ceiling
Coverage Width	45-inch
Thickness	3, 4, 5, 6-inch
Length	8’-0” to 53’-0”
Exterior Gauge	26
Interior Gauge	26
Exterior Substrate	Galvalume®
Interior Substrate	Galvalume®
Exterior Finish	Polyester, Siliconized Polyester, Plastisol (PVC)
Interior Finish	Polyester, Siliconized Polyester, Plastisol (PVC)
Exterior Texture	Embossed, Smooth
Interior Texture	Embossed, Smooth
Joint	Green-Lock, offset double tongue-and-groove
Core	Continuously poured-in-place polyisocyanurate insulating foam
R-Value	R-8 per inch of thickness (nominal)







TESTING: MAXLINE INSULATED METAL PANEL

TYPE	TEST PROTOCOL	DESCRIPTION	RESULTS
ENVIRONMENTAL PERFORMANCE	ASTM C518	*Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus*	K-Factor 0.139 BTU-in/hr-ft²-F° at 75° mean K-Factor 0.129 BTU-in/hr-ft²-F° at 35° mean
	ASTM E283	*Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen*	0.0011-cfm/sf at 20-psf
	ASTM E331	*Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference*	Zero penetration at 20-psf
FOAM CORE CHARACTERISTICS	ASTM C273	*Shear Properties of Sandwich Core Materials*	Shear Strength = 16-psi
	ASTM D1621	*Compressive Properties of Rigid Cellular Plastics*	Compressive Strength — 18-psi
	ASTM D1622	*Apparent Density of Rigid Cellular Plastics*	Apparent Density — 2.25-pcf
	ASTM D1623	*Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics*	Tensile Strength — 21-psi
	ASTM D6226	*Open Cell Content of Rigid Cellular Plastics*	Open Cell Content ≥ 90% closed cells
FIRE RESISTANCE	ASTM E84	*Surface Burning Characteristics of Building Materials*	Flame Spread < 25, Smoke Developed < 450
	FM 4880	*Factory Mutual Approval Standard for Class 1 Fire Rating of Insulated Wall or Wall and Roof/Ceiling Panels, Interior Finish Materials or Coatings and Exterior Wall Systems*	Class 1 Fire Rated — see technical bulletin ATB-0005
IMPACT RESISTANCE	FM 4881	*Factory Mutual Approval Standard for Class 1 Exterior Wall Systems*	
	TAS 201	*Florida Building Code Impact Test Procedure*	Miami Dade County NOA No. 15-0204.02
ENGINEERING PROPERTIES	ASTM E72	*Strength Tests of Panels for Building Construction*	See Load Tables
BOND STRENGTH	Fatigue Endurance	*2,000,000 Alternating Cycles of L/180 Deflection*	No evidence of facer or liner delamination, fracture of foam core or permanent set
	Freeze/Heat Cycle	*Twenty-One (21) Eight-hour Temperature Cycles (–20° F to 180° F)*	No evidence of delamination, blistering or permanent set
	Humidity Endurance	*1,200 Hours of 93% Humidity at a Temperature of 158° F*	No evidence of delamination, blistering or interface corrosion
	Autoclave	*Exposure to 218° F and a pressure of 2-psig for 2½ hours*	No evidence of facer or liner delamination

FM APPROVED