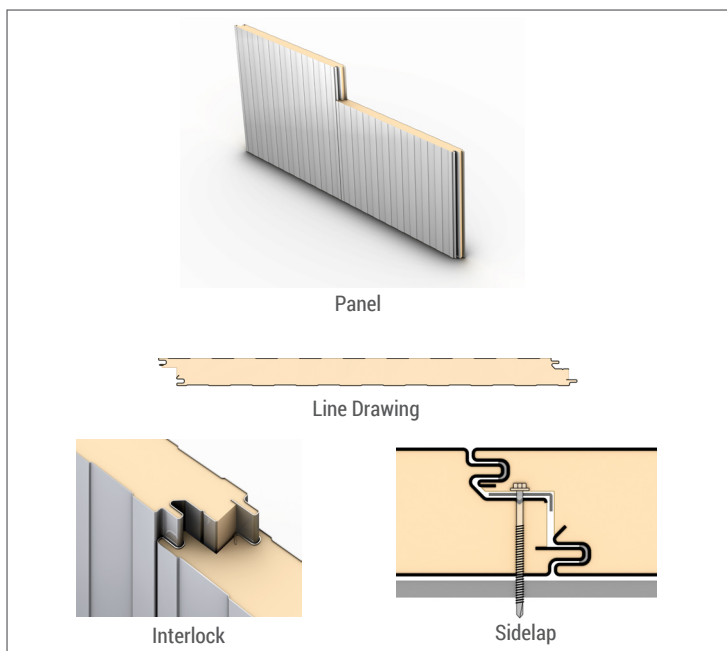


<b>Exterior Profile:</b>	Isoleren ML
<b>Interior Profile:</b>	Isoleren ML
<b>Exterior Gauge:</b>	26, 24, 22
<b>Exterior Texture:</b>	Smooth or Embossed
<b>Exterior Finish:</b>	Polyester, Siliconized Polyester, 70% PVDF, Standard Gloss (USDA White), Plastisol, Stainless
<b>Interior Gauge:</b>	26, 24, 22
<b>Interior Texture:</b>	Smooth or Embossed
<b>Interior Finish:</b>	Polyester, Siliconized Polyester, 70% PVDF, Standard Gloss (USDA White), Plastisol, Stainless
<b>Substrate:</b>	Galvalume®, G90 Galvanized & Stainless Steel
<b>Thickness (A):</b>	2, 2½", 3", 4", 5", and 6"
<b>Panel Coverage (B):</b>	42"
<b>Core:</b>	Continuously poured-in-place, Polyisocyanurate, Insulating foam
<b>R-Value</b>	R-8 per inch of thickness (nominal)
<b>Standard Lengths:</b>	8'-0" to 53'-0"
<b>Note:</b>	All information subject to change without notice. Please reference website for most current data.



## KEY ATTRIBUTES - THE ATAS DIFFERENCE

- Unsurpassed product quality
- Superior thermal performance
- Excellent spanning capabilities
- Concealed attachment
- One-piece, single component, with built in thermal breaks and vapor/air barriers

## TESTING

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-ft <sup>2</sup> -F° at 75° mean K-Factor 0.129 BTU-in/hr-ft <sup>2</sup> -F° at 35° mean
	ASTM E283	Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Difference 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 Metals	Shear Strength = 16psi
	ASTM D1621	Compressive Properties of Rigid Cellular Plastics	Compressive Strength = 18psi
	ASTM D1622	Apparent Density of Rigid Cellular Plastics	Apparent Density - 2.25pcf
	ASTM D1623	Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics	Tensile Strength - 21psi
	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
	NFPA 285	Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components	Passed
	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
Impact Resistance	FM 4881	Factory Mutual Approval Standard for Class 1 Exterior Wall Systems	Class 1 Approved
Engineering Properties	ASTM E1592	Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference	See Load Tables
	ASTM E72	Strength Tests of Panels for Building Construction	See Load Tables
	FM 4881	Factory Mutual Approval Standard for Class 1 Exterior Wall Systems	Class 1 Approved
Bond Strength	Fatigue Endurance	2,000,000 Alternating Cycles of L/180 Deflection	No evidence of facer or liner delamination, fracture of coam 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