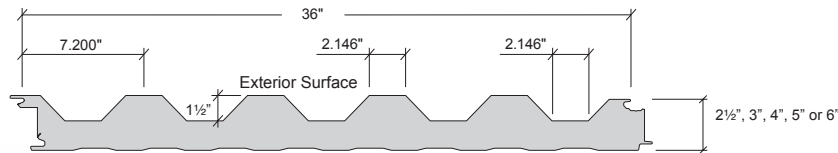




The 7.2 Insul-Rib™ combines a traditional 7.2 rib panel design with a premier polyurethane foam core. This panel can be installed both vertically and horizontally, allowing architects the same design flexibility that is available with our single skin 7.2 panel.



Features and Benefits:

- The 7.2 Insul-Rib™ utilizes concealed clips and eliminates thermal short circuits.
- Insulated metal panels allow for fast assembly times and easy installation, resulting in reduced construction labor costs and earlier business starts.
- The 7.2 Insul-Rib™ can be used for both interior and exterior applications.

Product Specifications:

Applications: Wall (Vertical or Horizontal)

Coverage Widths: 36"

Thicknesses: 2½", 3", 4", 5", 6"

Lengths: Recommended maximum is 36'

Attachment: Offset double tongue-and-groove with extended metal shelf for positive concealed fastener face fastening

Insulation Material: Non-CFC foamed-in-place polyurethane foam cured to achieve a minimum density of 2.2 pounds

Accessories: Fasteners, sealants, standard and custom trim, extrusions

Exterior Gauge: 26, 24, 22

Interior Gauge: 26, 24, 22

Interior Finishes: Stucco-embossed, Mesa profile

Coatings: Signature® 200, Signature® 300

U-Factors and R-Values*:

U-Factor (BTU/h-ft ² ·°F)		R-Value (h-ft ² ·°F/BTU)	
PANEL WIDTH: 36"		PANEL WIDTH: 36"	
	75°		75°
3"	0.0814	3"	12.29
4"	0.0537	4"	18.62
5"	0.0395	5"	25.32
6"	0.0314	6"	31.85

*Based on ASTM C518, ASTM C1363 and thermal modeling, 75° F core mean temp.

7.2 Insul-Rib™

CATEGORY	CHARACTERISTIC	TEST METHOD	PURPOSE	RESULT
Environmental	Thermal Transmission	ASTM C 518	Measure the heat transmission coefficient per unit thickness (k-factor)	0.140 BTU-in/hr-ft ² -°F(7.14/inch) at 75°F mean Temperature 0.126 BTU-in/hr-ft ² -°F(7.94/inch) at 40°F mean Temperature
		ASTM C1363	Measures the resistance to heat flow (or R-value) of a construction assembly in a guarded hot box	See Thermal Performance of IMP's White Paper
	Air Leakage Through Wall Panel Joints	ASTM E283	Determines the air leakage characteristics of metal wall panels under specified air pressure differences at ambient conditions	<0.01 cfm/ft ² at 20 psf static pressure
	Water Penetration Through Wall Panel Joints	ASTM E331	Determines the resistance to water penetration of metal wall panels under uniform static air pressure difference	No uncontrolled water penetration through the panel joints at a static pressure of 20 psf
Foam Properties	Foam Density	ASTM D1622	Determines the apparent density of rigid cellular plastics	2.2 pcf
	Foam Compressive Strength	ASTM D1621	Determines the behavior of cellular materials under compressive load	22 psi through-thickness 31 psi other directions
	Foam Tensile Strength	ASTM D1623	Measures the tensile strength of the foam from a cored sample	41 psi
	Foam Shear Strength	ASTM C273	Measures the shear strength of the foam from a cored sample	36 psi lowest in any direction
Fire Resistance	Surface Burning Characteristics	ASTM E84	Provides comparative measurements of surface flame spread and smoke density measurements relative to that of select grade red oak and fiber-cement board surfaces under specific fire exposure conditions	Flame Spread index of <25 Smoke Developed index of <450
	Room Fire Performance	FM 4880	Evaluates insulated roof and wall panels, interior finishes or coatings, and exterior wall systems for their performance in regards to fire	Class 1 Rating of wall and roof panels for use in unlimited height structures
		NFPA 286	Fire Tests for the flammability characterizes of wall and ceiling interior finishes	The Panels meet the criteria of the IBC Section 803.1.2.1.
		CAN/ULC S101	Standard Method of Fire Endurance Tests of Building Construction and Materials.	The Panels provides 15 minute remain in place fire resistance rating.
		CAN/ULC S102	Standard Method of Test for Surface Burning Characteristics of Building Material and Assemblies.	Meets the National Building Code of Canada requirements
		CAN/ULC S134	Standard Method of Fire Test of Exterior Wall Assemblies.	The Panels meet the criteria published in the standard.
	Wall Fire Performance	CAN/ULC S138	Standard Method of Test for Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration.	The Panels meet the criteria published in the standard.
Wall Fire Performance	NFPA 285	Evaluation of fire propagation characteristics of exterior non-load bearing wall assemblies in regards to fire	Panels meet the requirement of the standard	
Structural	Uplift Resistance	ASTM E72 ASTM E1592	Provides a standard procedure to evaluate or confirm structural performance under uniform static air pressure difference	See Load Chart Section
	Positive Load Resistance	ASTM E72	Tests the behavior of segments of wall construction under conditions representative of those encountered in service	See Load Chart Section
Wall Listings	Wall Performance – FM Global® (See Note 1 below)	FM 4881	Sets performance standards for panel walls including wind load resistance and hail resistance Requires a Class 1 ratings by FM Global 4880 as a prerequisite	See FM Global Approval Guide for Building Products complete listings
	Wall Performance – Florida Approvals	State of Florida	Product Approval for the State of Florida	FL # 16378.1

Notes:

1. Wall panels with textured coatings are not approved for the FM 4881 test method.

