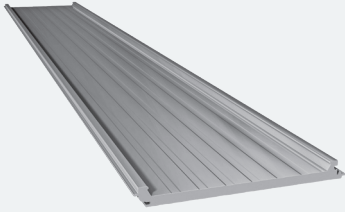


# VERSAPANEL® WALL

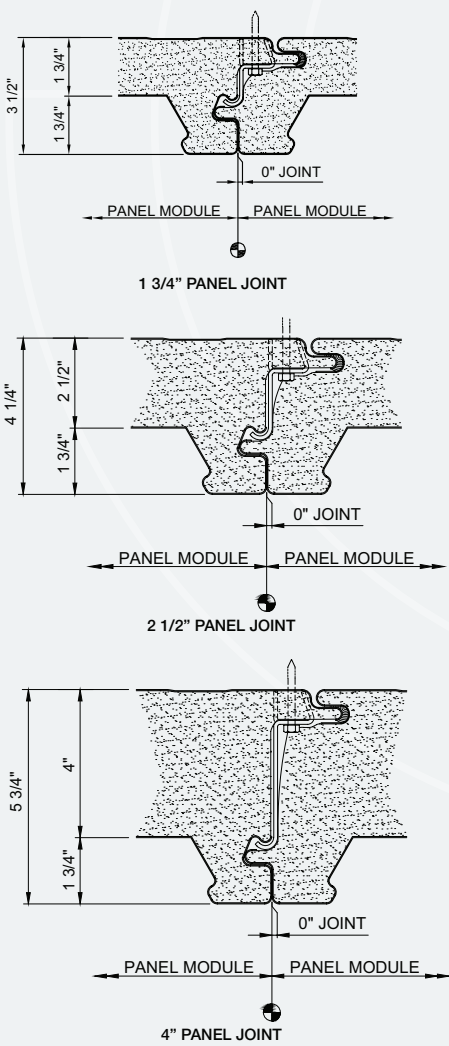
## TECHNICAL DATA SHEET



### DESCRIPTION

Versapanel insulated metal panels offer versatility and flexibility by offering a metal panel solution for walls. This highly energy-efficient wall system is defined by bold ribs that add an attractive linear definition to large structures. The Versapanel insulated metal wall panel system is available in a range of thicknesses to meet thermal conditions with “R” values as high as 33.5. Versapanel panels are available in lengths up to 48’ and in a variety of thicknesses and finishes, including a planked profile.

### GENERAL DESIGN OPTIONS



VERSAPANEL WALL			
PANEL THICKNESS	1 3/4" [44mm], 2 1/2" [64mm], 4" [102mm]		
PANEL MODULE	36" [914mm]		
PANEL CORE	Foamed-in-placed polyisocyanurate (PIR)		
THERMAL VALUES <sup>1</sup>		U Value BTU/hr•ft <sup>2</sup> •°F	R Value hr•ft <sup>2</sup> •°F/BTU
	1 3/4"	0.067	14.7
	2 1/2"	0.048	20.9
	4"	0.030	33.5
END JOINT	Stack Joint		
SIDE LAP	Double Tongue and Groove		
SIDE LAP REVEAL	0" Joint; Optional P-Cap		
STANDARD PANEL LENGTHS <sup>2</sup>	Flat - 6' [1.8m] - 52' [15.8m]		
STANDARD EXTERIOR FACE & GAUGE	26 ga. Planked, Embossed		
OPTIONAL EXTERIOR FACE & GAUGE	20, 22, 24 ga. Planked, Embossed		
STANDARD INTERIOR LINER & GAUGE <sup>3</sup>	26 ga. Planked, Embossed		
OPTIONAL INTERIOR LINER & GAUGE	20, 22, 24 ga. Planked, Embossed		
WEIGHTS	1 3/4"	2.13-3.76 lbs./sq. ft.	
	2 1/2"	2.32-3.95 lbs./sq. ft.	
	4"	2.70-4.32 lbs./sq. ft.	








1. U-Factor & R-Value per ASTM C1363/simulation & ASTM C518 and based on a mean temperature of 35° F; Standard I-P unit convention shown.  
 2. Longer and shorter panel lengths available upon request; consult CENTRIA  
 3. Regardless of exterior face substrate, interior liners are always constructed of Galvanized (G90) material

## VERSAPANEL WALL DESIGN FEATURES & BENEFITS

- Lightweight horizontal panels lower installation costs
- Can be installed as Wall panel
- Increased span capability reduces support steel requirements
- Thermal break between face and liner saves energy
- Factory-applied panel joint sealant with field-applied sealant creates a weather resistant air and vapor barrier
- Can help meet LEED requirements and green building standards



## VERSAPANEL WALL TESTING

TEST	TEST METHOD	TEST TITLE	RESULTS		
 <b>FIRE US</b>	ASTM E84	Surface Burning Characteristics of Building Materials	Meets requirements of Class A per IBC Section 803.1.2 (FS < 25, SD < 450)		
	ASTM E119/UL 263	Fire Tests of Building Materials	See UL Fire Resistance Directory for tested assemblies		
	NFPA 259	Standard Test Method for Potential Heat of Building Materials	Meets requirements of IBC Section 2603.5.3		
	NFPA 285	Evaluation of Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies	Meets the requirements of IBC Section 2603.5.5		
	NFPA 286	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	Assembly meets requirements of IBC Section 2603.5.5; Contact CENTRIA for assistance		
	FM 4880	Class 1 Fire Rating of Insulated Wall, Ceiling and Roof Panels	See FM Approval Listings		
 <b>FIRE CANADA</b>	CAN/ULC S101	Standard Methods of Fire Endurance Tests of Building Construction and Materials	Meets requirements of Article 3.1.5.7 (2b)		
	CAN/ULC S102	Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies	Flame spread rating = 25 Smoke developed classification = 240		
 <b>STRUCTURAL</b>	ASTM E72	Standard Test Methods of Conducting Strength Tests of Panels for Building Construction	See Span Tables		
 <b>THERMAL PERFORMANCE</b>	ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus*		U Factor BTU/hr•ft <sup>2</sup> •°F	R Value hr•ft <sup>2</sup> •°F/BTU
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies*	1¼"	0.067	14.7
			2½"	0.048	20.9
4"	0.030	33.5			
 <b>AIR INFILTRATION</b>	ASTM E283	Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors	0.02 cfm/ft <sup>2</sup> air infiltration rate at static pressure differential of 6.24 psf		
 <b>WATER INFILTRATION</b>	ASTM E331	Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference	No uncontrolled water penetration at static pressure differential of 41 psf for 15 minutes		
 <b>ACOUSTICAL</b>	ASTM E90 & ASTM E 413	Airborne Sound Transmission Loss of Building Partitions Classification for Rating Sound Insulation	Assemblies available ranging from STC=22 to 43, SAA = 0.83 to 0.94, & NRC= 0.80 to 0.90; Contact CENTRIA for assistance		
	ASTM C423 & ASTM E795	Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method Practices for Mounting Test Specimens During Sound Absorption Tests	Assemblies available ranging from STC=22 to 43, SAA = 0.83 to 0.94, & NRC= 0.80 to 0.90; Contact CENTRIA for assistance		
<b>SPECIAL APPROVAL</b>	Florida Product Approval non-HVHZ	Product Approval for non-HVHZ areas in the State of Florida	(Approval No. FL3155)		

\*U-Factor & R-Value per ASTM C1363/simulation & ASTM C518 and based on a mean temperature of 35° F; Standard I-P unit convention shown.

## NOTE

- Maximum support spacing and panel length may be limited for medium and dark colors due to thermal stress, consult CENTRIA
- For information on special applications and current details, contact your local CENTRIA Sales Representative