

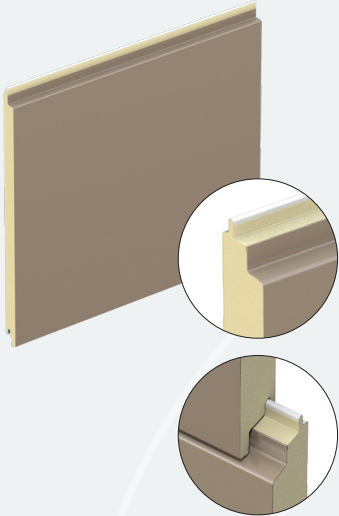
VERSAWALL H+[®]

TECHNICAL DATA SHEET



DESCRIPTION

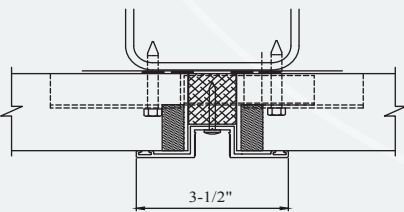
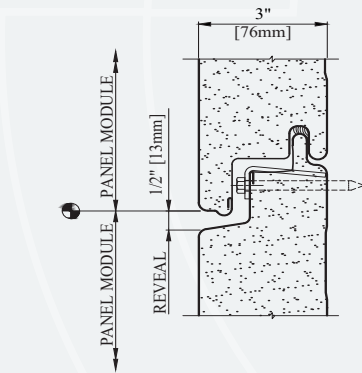
Versawall H+ Insulated Metal Panels provide a sleek, modern aesthetic, and energy-efficient wall where horizontal applications are desired. These lightweight panels serve as a complete barrier wall creating a high-performing building envelope. Versawall H+ panels are available in lengths up to 37', 2" or 3" thickness and a variety of color finishes. Ideal for any market application including office buildings, schools, arenas and many more.



GENERAL DESIGN OPTIONS

VERSAWALL H+			
PANEL THICKNESS	2" [51mm], 3" [76mm]		
PANEL MODULE	30" [762mm], 36" [914mm]		
PANEL CORE	Foamed-in-placed polyisocyanurate (PIR)		
THERMAL VALUES *		U Value BTU/hr•ft ² •°F	R Value hr•ft ² •°F/BTU
	2"	0.065	15.3
	3"	0.043	23.2
END JOINT	Extrusion, Flashing or Gasket		
SIDE LAP	Pressure Equalized		
SIDE LAP REVEAL	1/2"		
STANDARD PANEL LENGTHS	Embossed	Flat - 6' [1.8m] - 37' [11.3m] Max. 21' [6.4m] - Dark Colors Only Max. 37' [11.3m] - Light Colors Only	
	Smooth	Flat - 6' [1.8m] - 20' [6.1m]	
STANDARD EXTERIOR FACE & GAUGE	22 ga. Flat, Embossed or Smooth		
OPTIONAL EXTERIOR FACE & GAUGE	20 ga. Flat, Embossed or Smooth		
STANDARD INTERIOR LINER & GAUGE	26 ga. Planked, Embossed*		
OPTIONAL INTERIOR LINER & GAUGE	20, 22, 24 ga. Planked, Embossed		
WEIGHTS	2"	2.7 - 3.8 lbs./sq. ft.	
	3"	2.9 - 4.0 lbs./sq. ft.	

* 2" smooth exterior panels require 22 ga. non-planked/flat liner
+ 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.








VERTICAL JOINT/EXTRUSION

VERSAWALL H+ DESIGN FEATURES & BENEFITS

- Lightweight horizontal panels lower installation costs
- Increased span capability reduces support steel requirements
- Thermal break between face and liner saves energy
- Factory-applied panel joint sealant, together with field-applied sealant, create an air and vapor barrier that provides outstanding weather resistance
- Available with factory-formed sheet metal flashing or extruded aluminum trim



VERSAWALL H+ TESTING

TEST	TEST METHOD	TEST TITLE	RESULTS		
 FIRE	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 2603.5.3		
	NFPA 285	Evaluation of Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies	Assembly meets requirements of IBC Section 2603.5.5; Contact CENTRIA for assistance		
	NFPA 286	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	Meets the requirements of IBC Section 803		
 STRUCTURAL	ASTM E72	Standard Test Methods of Conducting Strength Tests of Panels for Building Construction	See Span Tables		
 THERMAL PERFORMANCE	ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus*		U Factor BTU/hr•ft ² •°F	R Value hr•ft ² •°F/BTU
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies*	2"	0.065	15.3
			2 1/4"	0.043	23.2
 AIR INFILTRATION	ASTM E283	Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors	< 0.01cfm/ft ² at 6.24 psf		
 WATER INFILTRATION	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 6.24 psf for 2 hours (IBC Section 1402) and 15 psf for 15 min.		

*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.

NOTES

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