

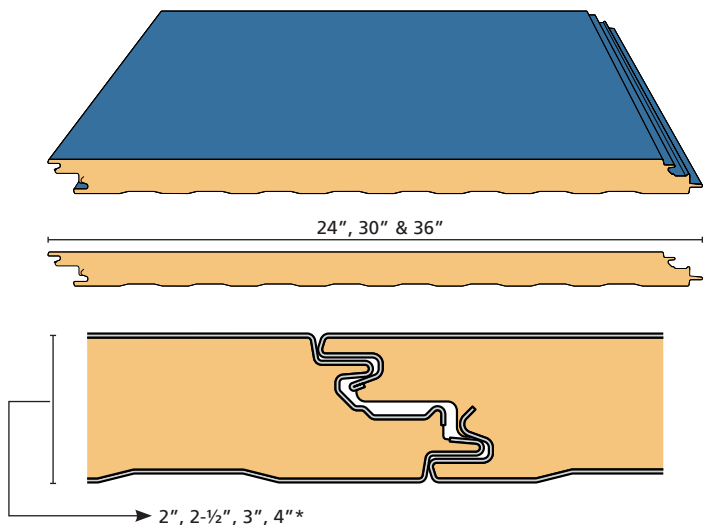
ARCHITECTURAL



The **Architectural** insulated wall panel is ideal for high-profile architectural applications. The panels may be installed either vertically or horizontally for maximum design flexibility. Multiple module widths and joint reveals add to the design variations available. Attached with concealed clips and fasteners in the side joint, Architectural wall panels provide a beautiful flush appearance.

FEATURES AND BENEFITS

- The foamed-in-place technology offers the most thermally efficient architectural panel available.
- Unlike more traditional insulation products, the Architectural insulated metal panels are placed outboard of the structural supports, creating a continuous barrier for maximum thermal efficiency with no compressed insulation or thermal bridges.
- Architectural wall panels have a specially formed barrier side joint that permits hidden application of the vapor sealant within recessed grooves. This protects the sealant from the harmful effects of extreme weather, will not attract dirt and provides for an impenetrable water and vapor seal.
- Trim-less ends complement the high-profile appearance of horizontally installed panels. The vertical joint in horizontal applications of the Architectural wall panel utilizes a dry gasket that helps maintain a clean, weather-tight seal and remains in place even under the most severe weather conditions.



USES AND APPLICATIONS

In new and retrofit construction, Architectural panels function as walls for all types of architectural, commercial and industrial applications.

They are ideally suited for:

ARCHITECTURAL

- Airport Terminal Buildings
- Arenas
- Convention Centers
- Hospitals
- Low and Mid-Rise Offices
- Mid-Rise Office Spandrel Panels
- Performing Arts Centers
- Schools & Universities
- Worship Facilities

COMMERCIAL & INDUSTRIAL

- Distribution Centers
- Equipment Maintenance Buildings
- Hangars
- Manufacturing Facilities
- Retail Buildings
- Self-Storage Complexes
- Utility Buildings
- Warehouses

Note: Not intended for exterior walls on cold storage buildings.

MATERIAL SPECIFICATIONS				
EXTERIOR PROFILE	Architectural flat with flush or reveal side joints for high profile projects.			
INTERIOR PROFILE	Light Mesa wave pattern, nominal 1/16" deep.			
FOAM CORE	Foamed-in-place, Non-CFC & zero ODP polyurethane, Factory Mutual Class 1 approval.			
THERMAL VALUE	R VALUE WITH AIR FILM		75° Mean	40° Mean
		2" PANEL	15.14	17.03
		2-1/2" PANEL	18.71	21.29
		3" PANEL	22.27	25.55
		4" PANEL	29.42	34.06
	1. R-Values include the air films on each side of the panel. 2. 75° Mean based on ASTM C518 Thermal Testing. 40° Mean based on ASTM C1363 Thermal Testing (Values for C1363 based on 4" panel testing). All values for other thicknesses extrapolated.			
MODULE WIDTH	24", 30" & 36"			
PANEL THICKNESS	2", 2-1/2", 3" & 4"			
PANEL LENGTHS	Standard 8'-0" to 32'-0".			
HORIZONTAL APPLICATION REVEAL WIDTHS	1/4", 1/2", 3/4", 1", 1-1/2", 2", 2-1/2" and 3"			
EXTERIOR FACINGS	Stucco embossed, architectural flat, G-90 galvanized and/or AZ-50 aluminum-zinc coated steel in 22 Ga.			
INTERIOR FACINGS	Stucco embossed, G-90 galvanized and/or AZ-50 aluminum-zinc coated steel in 26 Ga., 24 Ga. and 22 Ga.			
EXTERIOR FINISHES & COLORS	Siliconized Polyester, Fluoropon® Full-Strength 70% PVDF Fluoropolymer Coating. Note: Prices may vary by color, gauge and quantity of metal.			
INTERIOR FINISHES & COLORS	USDA-compliant Polyester, Igloo White. USDA-compliant PVC Plastisol, Polar White* *PVC Plastisol Polar White is a different color & shade than Polar White in other available finishes.			
PANEL JOINT	Offset double tongue-and-groove with extended metal shelf for positive face fastening.			
FASTENING	Fastener & Clip concealed in the side joint.			
FM Approved Class 1 with no height restrictions.				

TESTS AND CERTIFICATIONS			
		Standard	Standard / Test Description
US Certifications	Fire Performance	FM Approval Standard 4880	Class 1 Fire Rating of Insulated Wall, Ceiling and Roof Panels
		NFPA 259	Test Method for Potential Heat of Building Materials
		NFPA 285	Evaluation of Fire Propagation Characteristics of Exterior Non- Load-Bearing Wall Assemblies
		NFPA 286	Fire Tests for Evaluating Contribution of Wall and Ceiling Finish to Roof Fire Growth
		ASTM E84	Surface Burning Characteristics of Building Material
	Structural Performance	FM Approval Standard 4881	Class 1 Exterior Wall Structural Performance
		ASTM E72	Strength Tests of Panels for Building Construction
		ASTM E330	Structural Performance of Exterior Curtain Walls by Uniform Static Air Pressure Differences
	Vapor Barrier Performance	ASTM E283	Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences
		ASTM E331	Water Penetration of Exterior Walls by Uniform Static Air Pressure Differences
	Thermal Performance	ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
		ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus
	Special Approvals	City of Los Angeles	Product Approval for City/County of Los Angeles
		Miami-Dade Wall	Miami-Dade County Product Control Approved (Note: WACC Vertical Installation Only) NOA No. 13-0212.06, Expiration Date: 03/06/2018
	Canadian Certifications	Fire Performance	CAN/ULC S101
CAN/ULC S102			Surface Burning Characteristics of Building Materials and Assemblies
CAN/ULC S138			Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration

Load span tables and notes are available at RobertsonBuildings.com

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