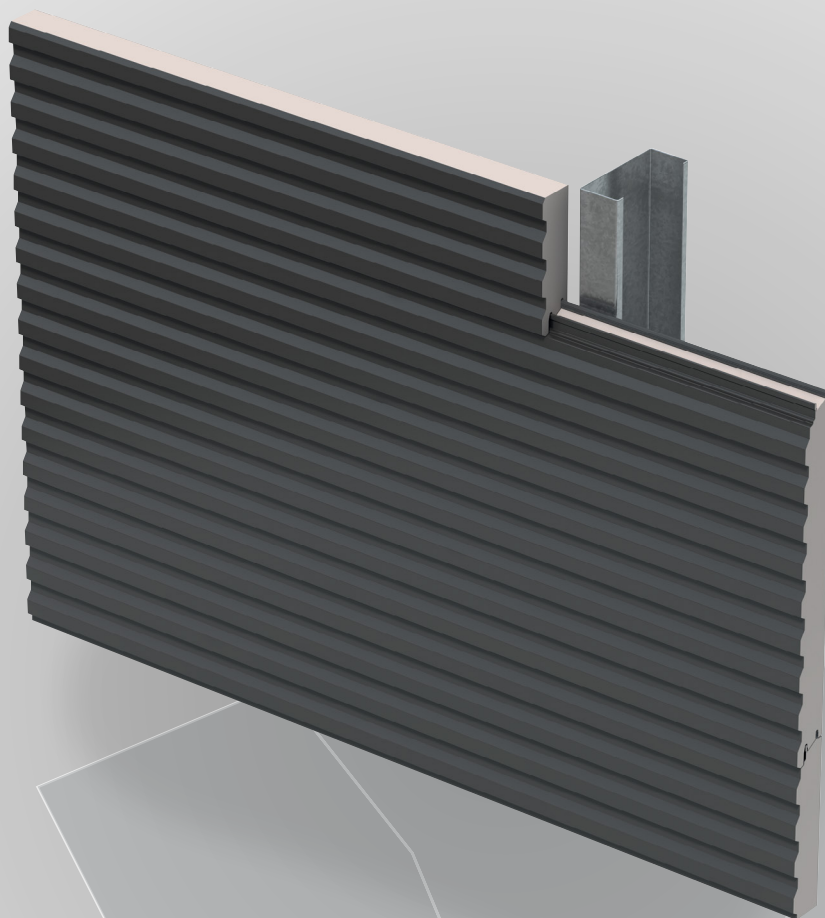


Insulated Panels
North America

Protected by



QuadCore® B Vale® Wall Panel Data Sheet



POWERED BY
QuadCore®
TECHNOLOGY

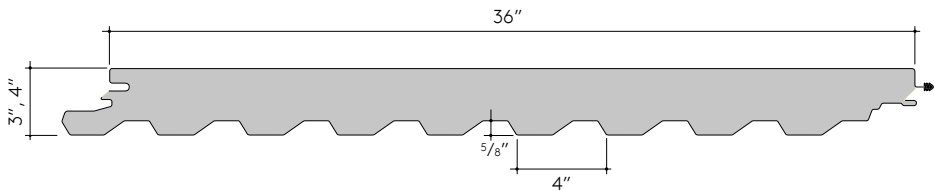


QuadCore® B Vale® Wall Panel Data Sheet

Insulated Wall Panel System

Product Specification

Insulation core:	QuadCore B Technology
Production method:	Structurally bonded
Profile:	Exterior: Vale Interior: Flat
Embossing:	Exterior: Stucco or non-embossed Interior: Non-embossed
Gauge:	Exterior: 22 ga Interior: 24, 22 ga
Width:	36"
Thickness:	3", 4"
Length:	2' - 24'
Reveal option:	N/A
Orientation:	Vertical or horizontal
Post fabrication:	Transverse bends
R-value:	Please see Thermal Transmission section on next page



Applications

QuadCore B Vale delivers a $\frac{5}{8}$ " deep ribbed profile for wall applications. The asymmetrical profile is designed for horizontal or vertical application.

QuadCore B Vale is suitable for new and retrofit applications across the commercial and industrial market sectors.

Design Features

The bold ribbed profile of the QuadCore B Vale panel is well-suited for architectural accents of an elevation, but it can equally be applied to entire wall sections of a design.

Customer Options

Kingspan offers a full spectrum of vibrant colors for every color scheme. The high-performance coatings provide long-life protection, color and gloss retention. Custom color matching is available to meet individual building designs and creative freedom.

QuadCore® B Vale® Wall Panel Data Sheet

Insulated Wall Panel System

Performance Testing and Approvals

Test	Procedure	Results	
Fire	ASTM E84	Flame Spread: 25 or Less / Smoke Developed: 90 or Less	
	NFPA 259	Tested for potential heat of building materials	
	NFPA 285	Passed: Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components Max. thickness: 4” Min. gauge: 22 ga exterior / 24 ga interior	
	UL 1715	Passed: Standard for Safety Fire Test of Interior Finish Material	
Structural	ASTM E72	Vacuum chamber tested. Panel load/span and deflection tables are available upon request.	
Thermal Transmission	ASTM C518	Thermal Performance at 75°F mean temperature	
		Thickness	R-Value
		3”	15.2
		4”	21.6
		Thermal Performance at 35°F mean temperature	
	Thickness	R-Value	
	3”	16.9	
	4”	24.0	
Air Infiltration	ASTM E283	1.57 psf: < 0.01 CFM/ft² of panel area 6.24 psf: < 0.01 CFM/ft² of panel area 20 psf: = 0.01 CFM/ft² of panel area	
Water	ASTM E331	6.24 psf for 120 min: No water infiltration	

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