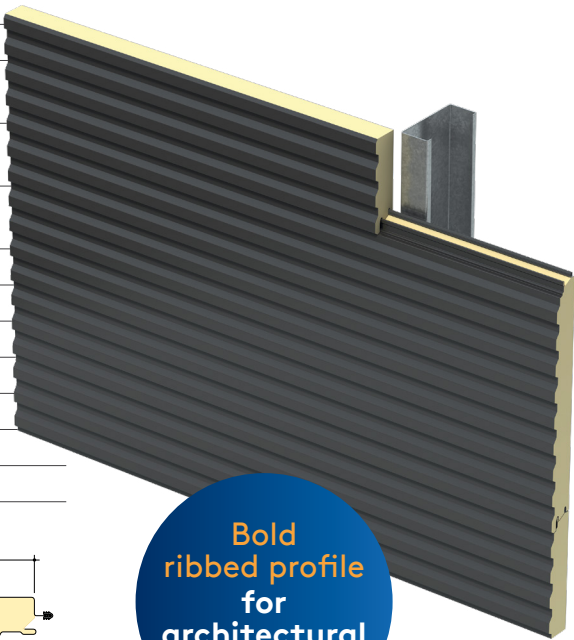


Vale™ Wall Panel Data Sheet

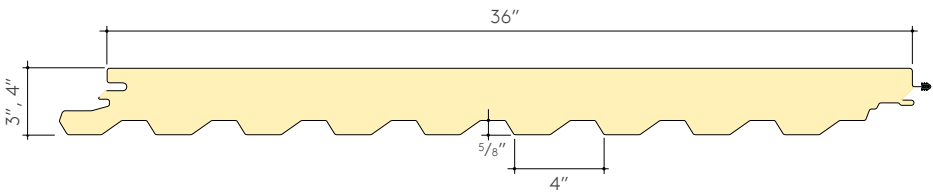
Insulated Wall Panel System

Product Specification

Insulation core:	PIR
Production method:	Discontinuous foam-in-place
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



**Bold
ribbed profile
for
architectural
accents**



Applications

Vale delivers a 5/8" deep ribbed profile for wall applications. The asymmetrical profile is designed for horizontal or vertical application.

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

Design Features

The bold ribbed profile of the 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.

Vale Wall Panel Data Sheet

Insulated Wall Panel System

Performance Testing and Approvals

Test	Procedure	Results																
Fire	FM 4880	Passed: Class 1 Fire Rating of Building Panels or Interior Finish Materials*																
	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	FM 4881	Passed: For complete wind pressure ratings please contact Kingspan Technical Services or refer to ApprovalGuide.com*																
	ASTM E72	Vacuum chamber tested. Panel load/span and deflection tables are available upon request.																
Thermal Transmission	ASTM C518	<table><tr><th colspan="2">Thermal Performance at 75°F mean temperature</th><th colspan="2">Thermal Performance at 35°F mean temperature</th></tr><tr><th>Thickness</th><th>R-Value</th><th>Thickness</th><th>R-Value</th></tr><tr><td>3"</td><td>16</td><td>3"</td><td>17</td></tr><tr><td>4"</td><td>22</td><td>4"</td><td>24</td></tr></table>	Thermal Performance at 75°F mean temperature		Thermal Performance at 35°F mean temperature		Thickness	R-Value	Thickness	R-Value	3"	16	3"	17	4"	22	4"	24
Thermal Performance at 75°F mean temperature		Thermal Performance at 35°F mean temperature																
Thickness	R-Value	Thickness	R-Value															
3"	16	3"	17															
4"	22	4"	24															
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																
Regional Approvals	Florida Product Approval	FL 46087.1																

*Thickness: 3"-4", Width: 36", Min. panel length: 8', Min. gauge: Exterior 22 ga, Interior 24 ga.

For FM compliance, systems must be installed in accordance with FM installation specifications as detailed on ApprovalGuide.com. Please contact technical.NA@kingspanpanels.com for detailed information or refer to ApprovalGuide.com.



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