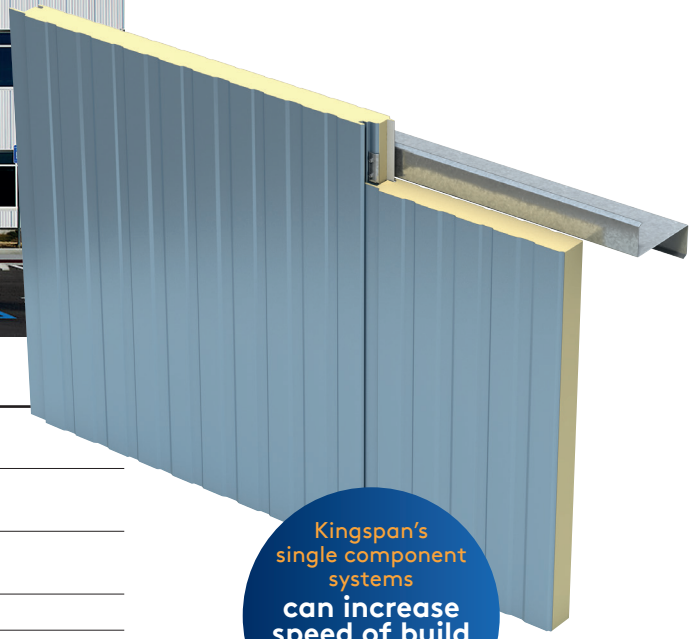


# 200 Inverted Rib Data Sheet

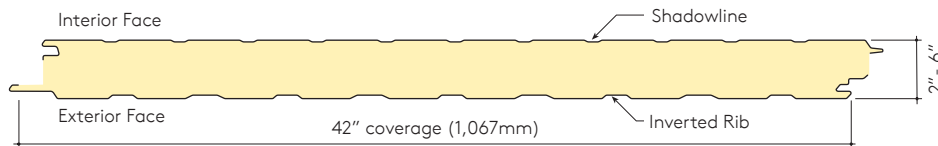
## Insulated Wall Panel System



### Product Specification

Profile:	Exterior: Inverted Rib Interior: Minor Rib, Shadowline or V-groove
Embossing:	Exterior: Stucco or non-embossed Interior: Stucco or non-embossed
Gauge:	Exterior: 26, 24, 22 ga Interior: 26, 24, 22 ga
Width:	42"
Thickness:	2", 2.5", 3", 4", 5", 6"
Length:	8' - 53'
Reveal option:	N/A
Orientation:	Vertical
Post fabrication:	N/A
R-value:	≈ 7.2 per inch per ASTM C518 @ 75°F ≈ 8.25 per inch per ASTM C518 @ 35°F

Kingspan's  
single component  
systems  
can increase  
speed of build  
by up to  
**50%**



### Applications

The "inverted rib" profile of the 200 Series is a highly attractive complement to high performance building systems. 200 Series is also the panel of choice for high R-value exterior wall freezer/cooler applications. The interior face features a minor rib profile providing a clean, flat appearance that is easily washable.

200 Series is ideal for new and retrofit applications across commercial, industrial and cold storage market sectors.

### Design Features

The foamed-in-place manufacturing process produces superior panels of consistent high quality that arrive to site ready for quick and easy installation, saving up to 50% in on-site construction time.

Panels are available with optional factory-caulked side joints to save erection labor (not available for cold storage applications).

### Customer Options

Choose from 20 in-stock Fluorpon colors or select a custom color to match your needs. For interior heavy wash down environments, plastisol (PVC) coatings as well as stainless steel facings are available.



# 200 Inverted Rib Data Sheet

## Insulated Wall Panel System

### Performance Testing and Approvals

Kingspan insulated panels meet specific building envelope performance criteria and requirements stipulated by US and Canadian building codes. Panels are tested in accordance with UL, ULC, FM and ASTM approval standards, testing methods and procedures. Kingspan insulated panels are listed by FM Global and Warnock Hersey.

Test	Procedure	Results					
Fire	FM 4880	Class 1 Fire Rating of Insulated Wall or Wall and Roof/Ceiling Panels, Interior Finish Materials or Coatings, and Exterior Wall Systems					
	ASTM E84	Flame Spread: 25 or Less / Smoke Developed: 450 or Less					
	ULC-S101	Standard Methods of Fire Endurance Tests of Building Construction and Materials					
	ULC-S102	Standard Method of Test for Surface Building Characteristics of Building Materials and Assemblies					
	ULC-S127	Standard Corner Wall Method of Test for Flammability Characteristics of Non-Melting Building Materials					
	UBC26-4 / NFPA 285	Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components					
	NFPA 259	Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components					
Strength	FM 4881	Approval Standard for Class 1 Exterior Wall Systems					
	ASTM E72 Chamber Method	Panel load / span and deflection tables are available					
Thermal Transmission	ASTM C518	<b>Thermal Performance at 75°</b>			<b>Thermal Performance at 35°</b>		
		<b>Thickness</b>	<b>U-Factor</b>	<b>R-Value</b>	<b>Thickness</b>	<b>U-Factor</b>	<b>R-Value</b>
		2	0.07	14.4	2	0.06	16
		2.5	0.06	18.0	2.5	0.05	20
		3	0.05	21.6	3	0.04	24
		4	0.03	28.8	4	0.03	32
		5	0.03	36.0	5	0.03	40
6	0.02	43.2	6	0.02	48		
Air Infiltration	ASTM E283	0.003 CFM/ft <sup>2</sup> of Panel Area at 6.24 psf					
Water Penetration	ASTM E331	No Water Penetration at 20.0 psf					
Fatigue	Subjected to 2 million alternate cycles of 20 PSF positive and negative wind loading	No metal / foam delamination or metal fatigue					
Humidity	Sample subjected to 100% relative humidity at 140°F for 1000 hours	No evidence of metal primer corrosion					
Autoclave	Sample placed in an autoclave device and pressurized to 2 PSI at 212°F for 2½ hours	No evidence of delamination					
Skin Delamination		No skin delamination with direct pull off pressure up to 1188 psf					

### Kingspan North America

DeLand, FL: 386-626-6789 Modesto, CA: 209-531-9091

Caledon, ON: 905-951-5600 Langley, BC: 604-607-1101

[www.kingspanpanels.com](http://www.kingspanpanels.com)

For the product offering in other markets please contact your local sales representative or visit [www.kingspanpanels.com](http://www.kingspanpanels.com)

Care has been taken to ensure that the contents of this publication are accurate, but Kingspan Limited and its subsidiary companies do not accept responsibility for errors or for information that is found to be misleading. Suggestions for, or description of, the end use or application of products or methods of working are for information only and Kingspan Limited and its subsidiaries accept no liability in respect thereof.

