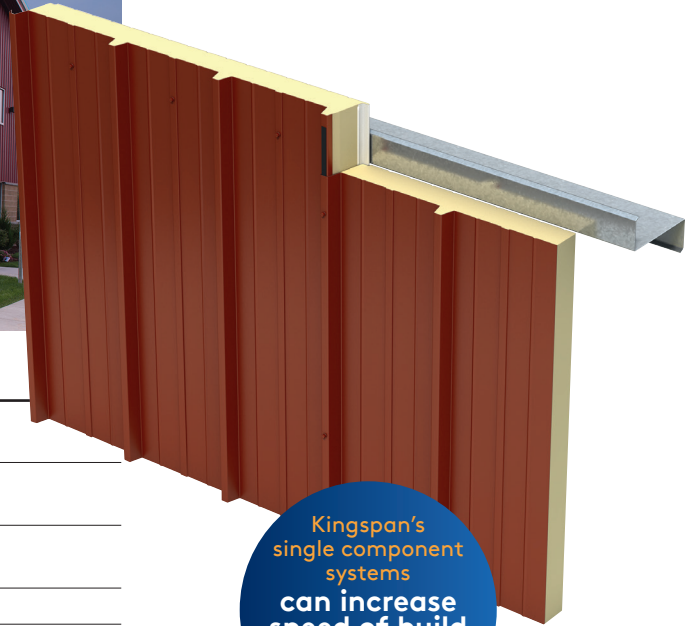


# 900 High Rib Data Sheet

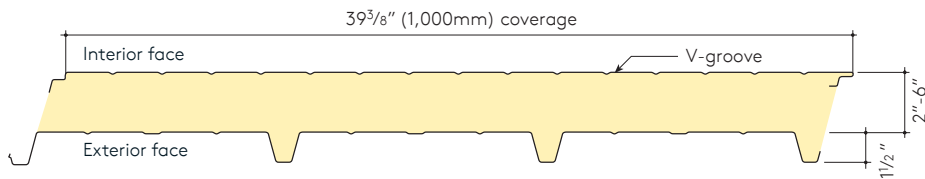
## Insulated Wall Panel System



### Product Specification

Profile:	Exterior: Trapezoidal Interior: V-groove
Embossing:	Exterior: Stucco or non-embossed Interior: Stucco or non-embossed
Gauge:	Exterior: 24, 22 ga Interior: 26, 24, 22 ga
Width:	39 3/8"
Thickness:	1.5", 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

900 High Rib panels are the ultimate in high R-value systems, making them the panel of choice where energy efficient, lightweight, low maintenance roofs are required. The 900 High Rib panel is available for wall or roof application.

900 Series panels are suitable for new and retrofit applications across the cold storage, commercial and industrial 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.

The high-rib design provides maximum strength characteristics and with superior spanning capability, allows for reduced secondary steel supports.

### Customer Options

Choose from our in-stock Fluoropon 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.



# 900 High 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.

Test	Procedure	Results
Fire	ASTM E84	Flame Spread: 25 or Less / Smoke Developed: 450 or Less
	ULC-S102	Standard Method of Test for Surface Building Characteristics of Building Materials and Assemblies
	NFPA 259	Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components
Thermal Transmission	ASTM C518	2" R = 14 / U = 0.071      2.5" R = 18 / U = 0.056
		3" R = 23 / U = 0.043      4" R = 32 / U = 0.031
		5" R = 45 / U = 0.022      6" R = 51 / U = 0.019
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

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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)

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