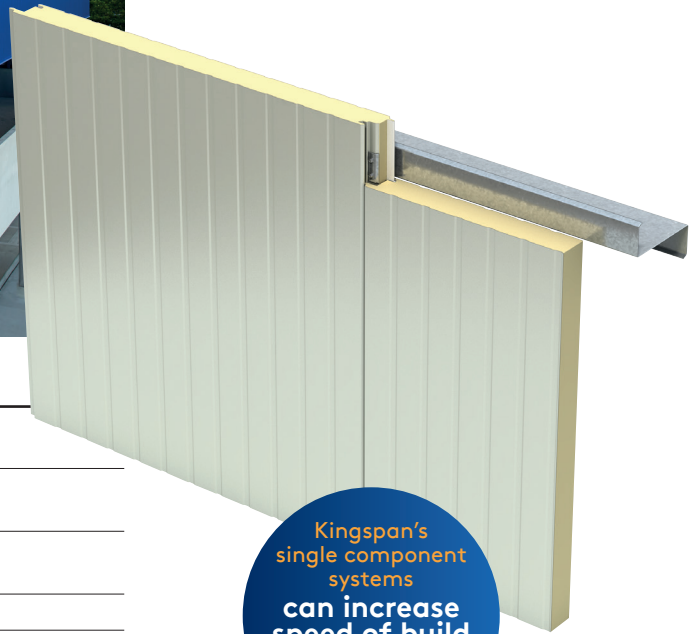


# 300 Series Minor Rib Data Sheet

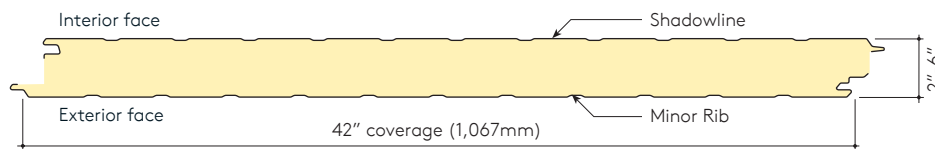
## Insulated Wall Panel System



### Product Specification

Profile:	Exterior: Minor 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

300 Series panels are used for exterior walls. Both interior and exterior facings feature the same minor rib profile that provides a clean flat appearance and is easily washable.

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

### Design Features

High thermal efficiency combined with low installed cost makes the 300 Series the preferred choice for interior cold storage applications. Concealed fasteners provide a continuous look and clean design.

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.

### 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.



# 300 Series Minor Rib Data Sheet

## Insulated Wall Panel System

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	Thermal Performance at 75°			Thermal Performance at 35°		
		Thickness	U-Factor	R-Value	Thickness	U-Factor	R-Value
		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					

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

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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