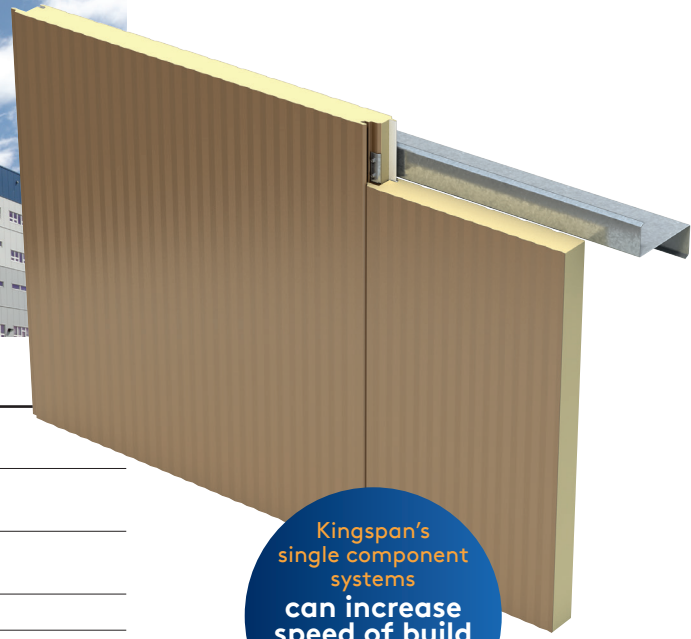


# 300 Series Striated Data Sheet

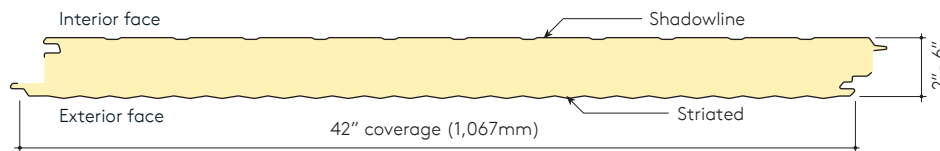
## Insulated Wall Panel System



### Product Specification

Profile:	Exterior: Striated Interior: Shadowline, Minor Rib 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 Striated series panels create an architectural look with subtle shadows. The nearly flat profile creates a highly attractive linear appearance with striking aesthetic appeal and excellent thermal performance. It is expressly designed for the upscale architectural and commercial/industrial market sectors.

Available in stucco embossed or smooth finish (minimum 24 gauge required for smooth).

### Design Features

300 Striated series panels offers an architectural grade appearance for the cost of a commercial/industrial product and can be used in combination with other panel types to create vertical accents.

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 our 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.



# 300 Series Striated 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

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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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