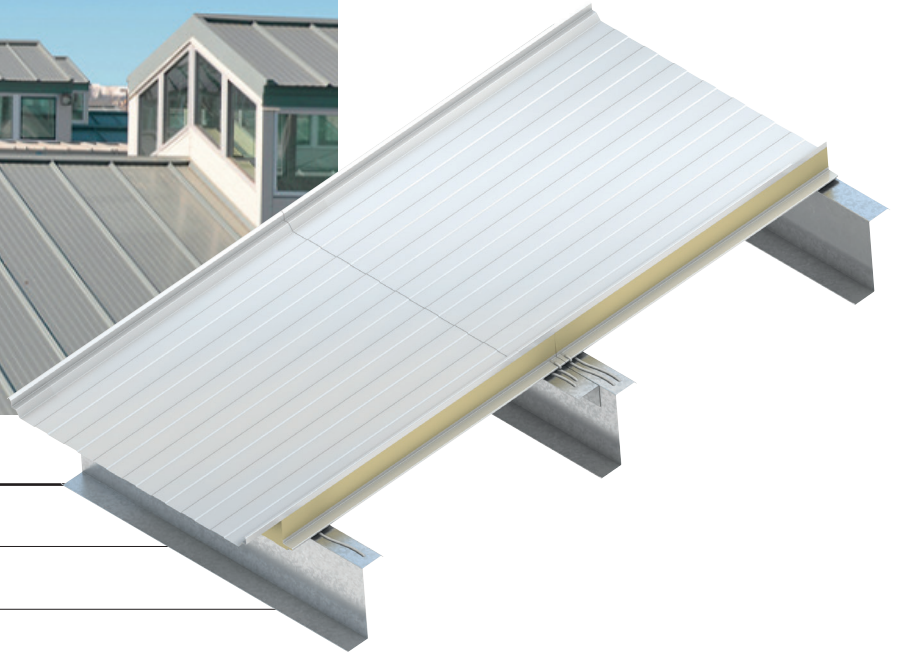


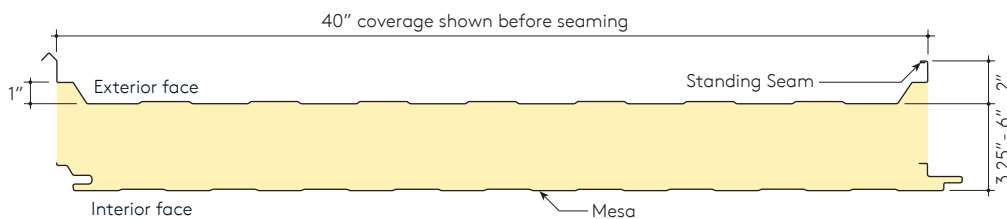
# KingSeam® Data Sheet

## Insulated Standing Seam Roof Panel System



### Product Specification

Profile:	Exterior: Mesa with Trapezoidal Ribs Interior: Mesa
Embossing:	Exterior: Non-embossed Interior: Stucco or non-embossed
Gauge:	Exterior: 26, 24, 22 ga Interior: 26, 24, 22 ga
Width:	40"
Thickness:	3.25", 4", 5", 6"
Length:	8' - 50' (please contact your Kingspan Regional Sales Manager or Kingspan Technical Services for detailed limitations on specific lengths)
Post fabrication:	Cutbacks
R-value:	≈ 7.1 per inch per ASTM C518 @ 75°F mean temperature ≈ 8.1 per inch per ASTM C518 @ 35°F mean temperature



### Applications

KingSeam insulated standing seam roof panels are designed to offer design flexibility and aesthetics combined with high R-values and unparalleled service life performance. KingSeam is suitable for new and retrofit applications across commercial, industrial and institutional market sectors.

### Design Features

For exceptional protection against the elements, KingSeam utilizes field-seamed, hidden fastener joinery. The trapezoidal rib design reinforces KingSeam with added strength for protection against foot traffic damage. And because of the one-piece design, you can reduce construction costs and speed up build time.

The standing seam concept allows it to be utilized on roof slopes as low as 1/4:12, and cover widths of 40".

# KingSeam® Data Sheet

## Insulated Standing Seam Roof 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: 450 or Less			
	ULC-S102	Flame Spread: 20 / Smoke Developed: 165 for panel insulation core			
	ULC-S126	Passed: Standard Method of Test For Fire Spread Under Roof-Deck Assemblies			
	ULC-S138	Passed: Standard Method of Test For Fire Growth Of Insulated Building Panels In A Full-Scale Room Configuration			
Wind Uplift	FM 4471	Class 1-60 - RoofNav Assembly #317601-0-0* Class 1-90 - RoofNav Assembly #278783-0-0* Class 1-105 - RoofNav Assembly #317604-0-0* Class 1-135 - RoofNav Assembly #317605-0-0*			
Strength	ASTM E1592	Panel load / span and deflection tables are available			
Thermal Transmission	ASTM C518	<b>Thermal Performance at 75°F mean temperature</b>		<b>Thermal Performance at 35°F mean temperature</b>	
		<b>Thickness</b>	<b>R-Value</b>	<b>Thickness</b>	<b>R-Value</b>
		3.25	23.1	3.25	26.3
		4	28.4	4	32.4
		5	35.5	5	40.5
		6	42.6	6	48.6
Air Infiltration	ASTM E1680	0.01 CFM/ft <sup>2</sup> of Panel Area @ 12 psf			
Water Penetration	ASTM E1646	No Water Penetration @ 20.0 psf			

\*Thickness: 3.25"-6", Width: 40", Min. gauge: Exterior 26 ga, Interior 26 ga.

For FM compliance, systems must be installed in accordance with FM installation specifications as detailed on RoofNav.com.

Please contact technical.NA@kingspanpanels.com for detailed information or refer to RoofNav.com.



### Contact Details

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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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