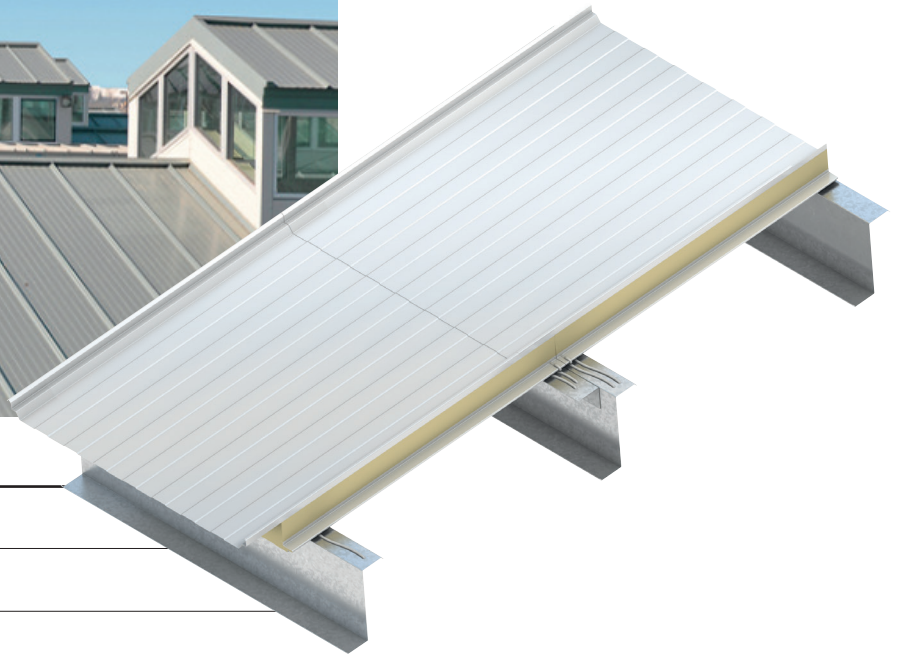


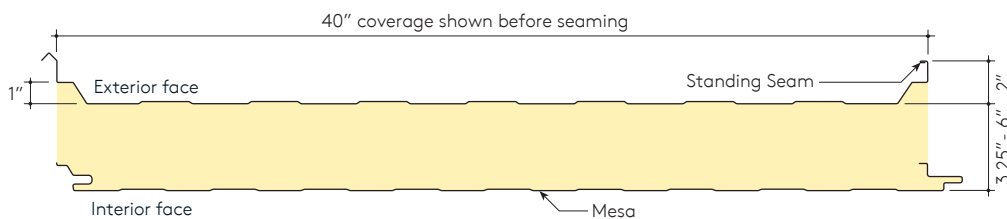
KingSeam® Data Sheet

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:	≈ 7.2 per inch per ASTM C518 @ 75°F mean temperature ≈ 8.2 per inch per ASTM C518 @ 40°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*					
	UL 580 Class 90 uplift rating	5'0" spans with minimum 16 gauge purlins					
Strength	ASTM E1592	Panel load / span and deflection tables are available					
Thermal Transmission	ASTM C518	Thermal Performance at 75°F mean temperature			Thermal Performance at 40°F mean temperature		
		Thickness	U-Factor	R-Value	Thickness	U-Factor	R-Value
		3.25	0.043	23	3.25	0.040	25
		4	0.034	29	4	0.032	31
		5	0.028	36	5	0.026	39
		6	0.023	43	6	0.022	46
Air Infiltration	ASTM E1680	0.01 CFM/ft ² 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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Modesto, CA: 800-377-5110

www.kingspanpanels.us

Caledon, ON: 866-442-3594

Langley, BC: 877-937-6562

www.kingspanpanels.ca

For the product offering in other markets please contact your local sales representative or visit www.kingspanpanels.com

To ensure you are viewing the most recent and accurate product information, please visit www.kingspanpanels.com

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