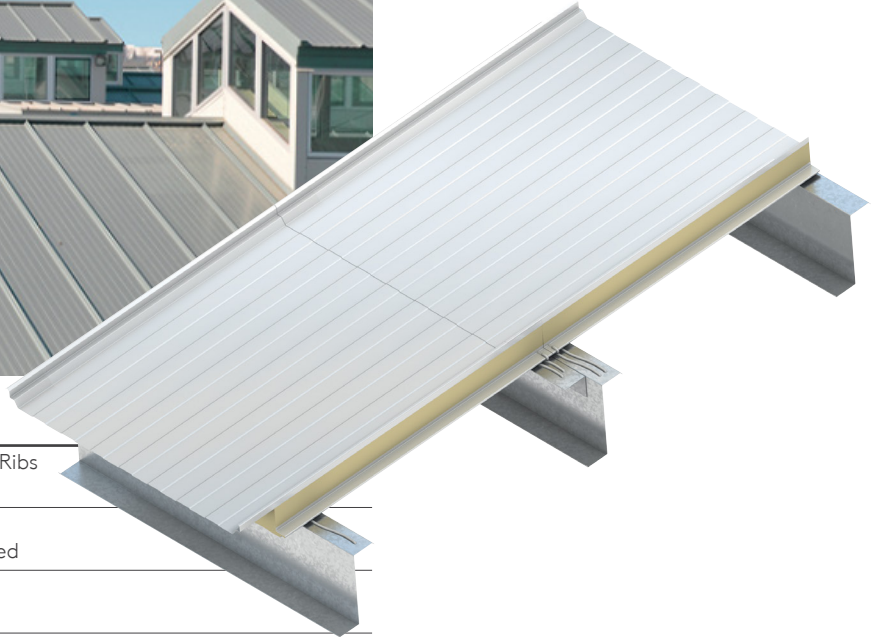


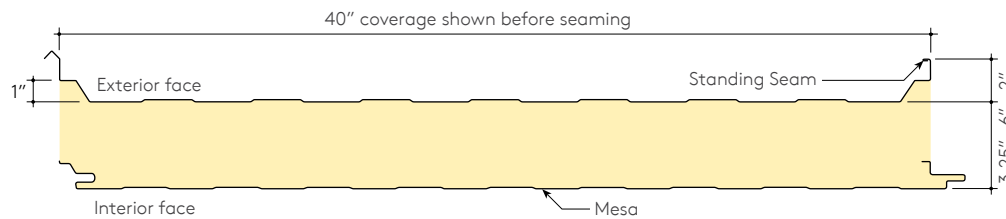
KingSeam® Data Sheet

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 (1/2:12 where endlaps are required), 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-S126	Passed: Standard Method of Test For Fire Spread Under Roof-Deck Assemblies
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	Thermal Performance at 75°F mean temperature
		Thickness R-Value
		3.25 23.1
		4 28.4
		5 35.5
		6 42.6
		Thermal Performance at 35°F mean temperature
		Thickness R-Value
		3.25 26.3
		4 32.4
		5 40.5
		6 48.6
Air Infiltration	ASTM E1680	0.01 CFM/ft² 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.



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