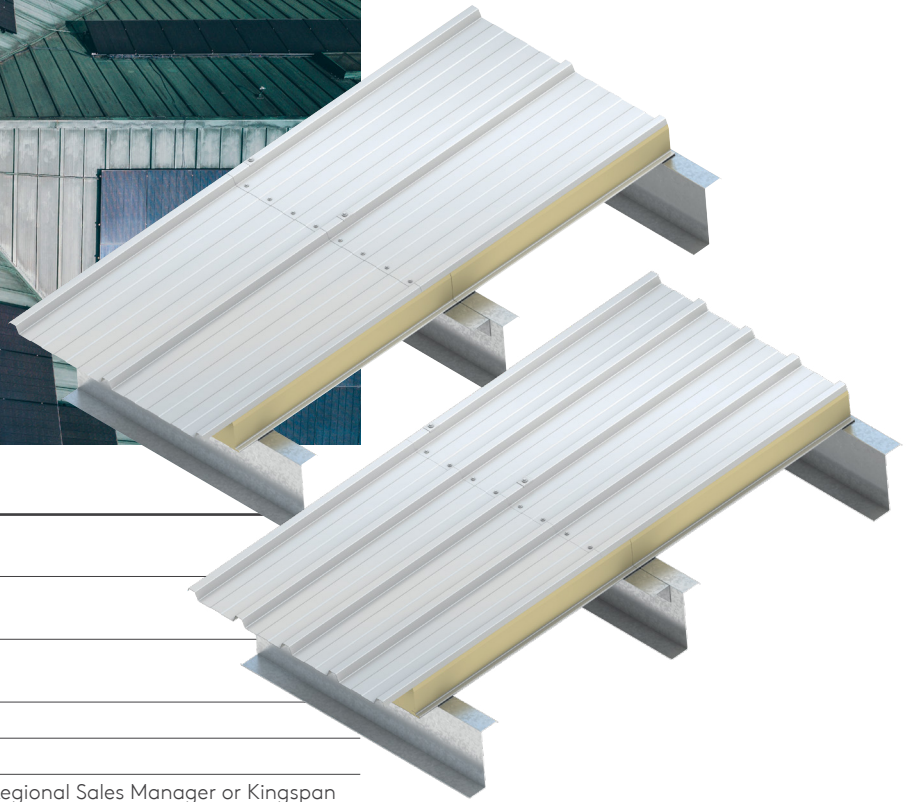


KingRib® 3 / KingRib® 5 Data Sheet

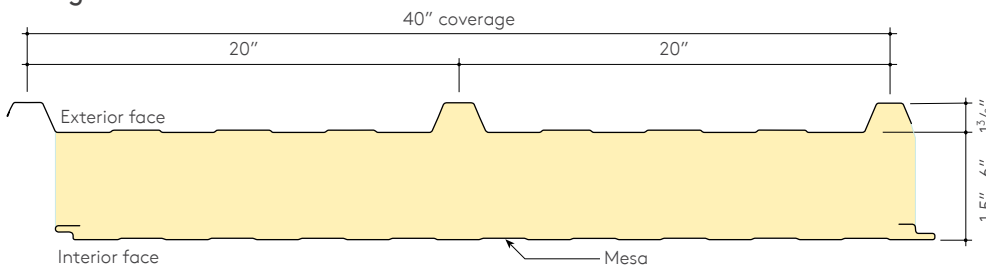
Insulated Trapezoidal Roof Panel System



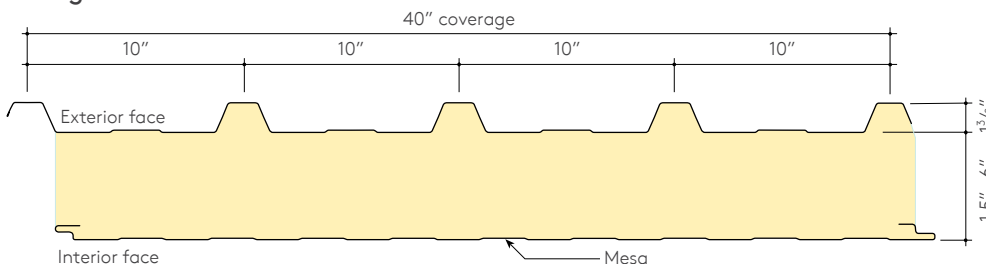
Product Specification

Profile:	Exterior: Mesa with Trapezoidal Ribs Interior: Mesa
Embossing:	Exterior: Stucco or non-embossed Interior: Stucco or non-embossed
Gauge:	Exterior: 26, 24, 22 ga Interior: 26, 24, 22 ga
Width:	40"
Thickness:	1.5", 2.5", 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

KingRib 3



KingRib 5



Applications

The KingRib insulated roof panel is the perfect option for a modern design combined with high energy-efficiency, durability, and high R-value. KingRib will not only enhance your building's aesthetic appeal, but will also dramatically improve the efficiency of your building's thermal envelope.

Design Features

The KingRib overlapping joint is self-aligning for simple, easy sealant application at the joinery. It also arrives in one piece, ready for installation. That means decreased build time and a higher ROI for your project.

The high rib profile allows it to be utilized on roof slopes as low as 1/2:12 (1:12 where endlaps are required), and cover widths of 40".

KingRib® 3 / KingRib® 5 Data Sheet

Insulated Trapezoidal 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
	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 #222746-0-0*
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
		1.5 10.7
		2.5 17.8
		4 28.4
		5 35.5
		6 42.6
		Thermal Performance at 35°F mean temperature
		Thickness R-Value
		1.5 12.2
		2.5 20.3
		4 32.4
		5 40.5
		6 48.6
Air Infiltration	ASTM E1680	0.04 CFM/ft² of Panel Area @ 20 psf
Water Penetration	ASTM E1646	No Water Penetration @ 12.0 psf

*Thickness: 2.5"-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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