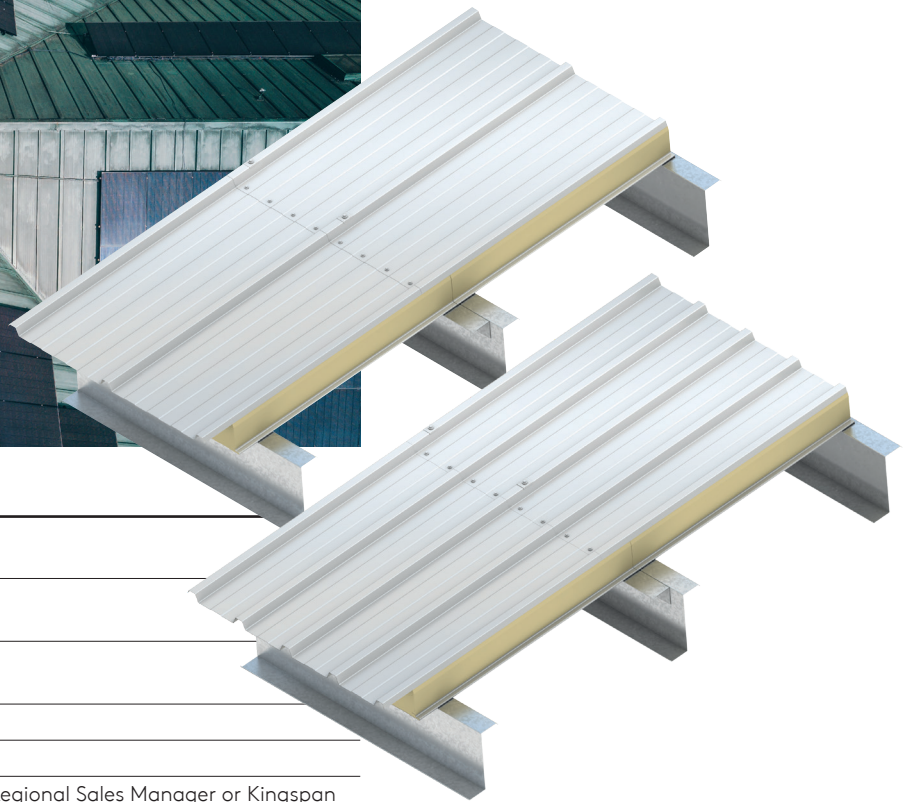


KingRib® 3 / KingRib® 5 Data Sheet

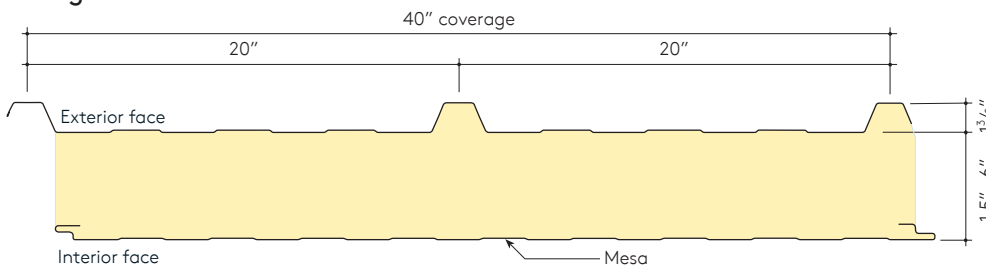
Insulated Trapezoidal Roof Panel System



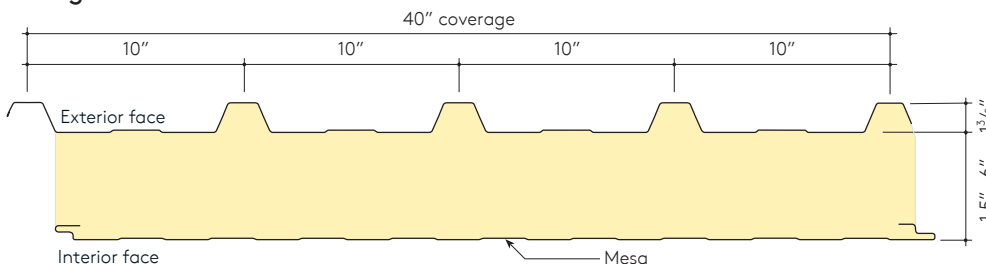
Product Specification

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, 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-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 #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		Thermal Performance at 35°F mean temperature	
		Thickness		R-Value	
		1.5		10.7	
		2.5		17.8	
		4		28.4	
		5		35.5	
		6		42.6	
		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.



Contact Details

DeLand, FL: 877-638-3266
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

Care has been taken to ensure that the contents of this publication are accurate, but Kingspan Limited and its subsidiary companies do not accept responsibility for errors or for information that is found to be misleading.
Suggestions for, or description of, the end use or application of products or methods of working are for information only and Kingspan Limited and its subsidiaries accept no liability in respect thereof.
© Kingspan, KingRib, and the Lion Device are Registered Trademarks of the Kingspan Group plc in the US, Canada and other countries. All rights reserved. © Kingspan Insulated Panels Inc.