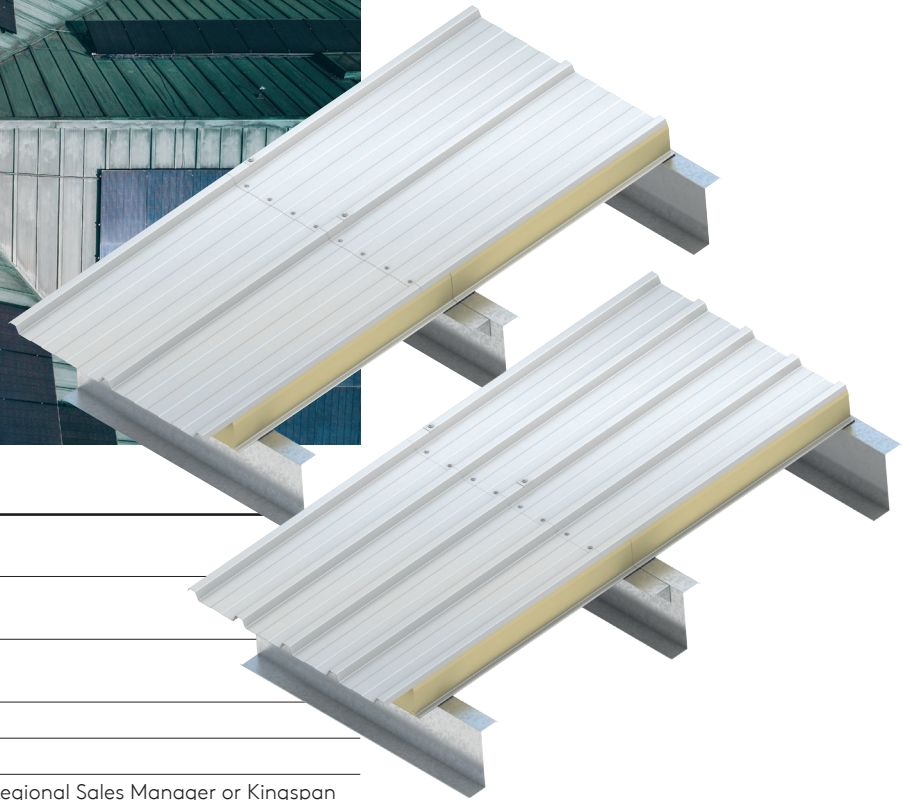


# KingRib® 3 / KingRib® 5 Data Sheet

## 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:	≈ 7.2 per inch per ASTM C518 @ 75°F mean temperature ≈ 8.2 per inch per ASTM C518 @ 40°F mean temperature

### Applications

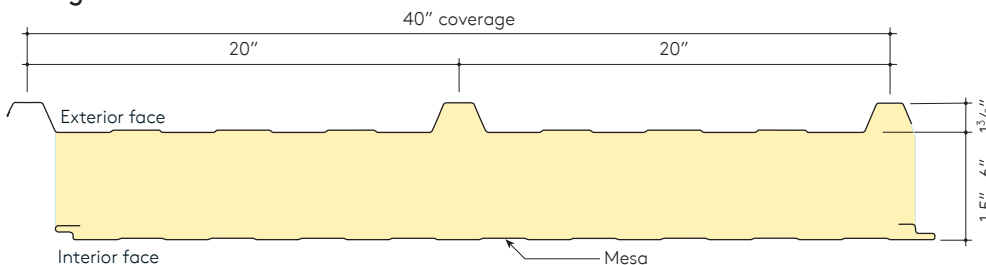
The KingRib insulated roof panel is the perfect option for a modern design combined with high energy-efficiency, durability, and high R-value. KingRib will not only enhance your building's aesthetic appeal, but will also dramatically improve the efficiency of your building's thermal envelope.

### Design Features

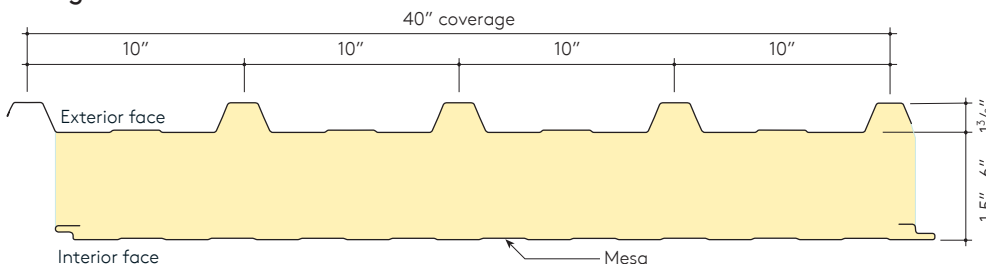
The KingRib overlapping joint is self-aligning for simple, easy sealant application at the joinery. It also arrives in one piece, ready for installation. That means decreased build time and a higher ROI for your project.

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



# 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	<b>Thermal Performance at 75°F mean temperature</b>																
		<table><tr><th>Thickness</th><th>U-Factor</th><th>R-Value</th></tr><tr><td>1.5</td><td>0.093</td><td>11</td></tr><tr><td>2.5</td><td>0.056</td><td>18</td></tr><tr><td>4</td><td>0.035</td><td>29</td></tr><tr><td>5</td><td>0.028</td><td>36</td></tr><tr><td>6</td><td>0.023</td><td>43</td></tr></table>	Thickness	U-Factor	R-Value	1.5	0.093	11	2.5	0.056	18	4	0.035	29	5	0.028	36	6
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2.5	0.056	18																
4	0.035	29																
5	0.028	36																
6	0.023	43																
		<b>Thermal Performance at 40°F mean temperature</b>																
		<table><tr><th>Thickness</th><th>U-Factor</th><th>R-Value</th></tr><tr><td>1.5</td><td>0.081</td><td>12</td></tr><tr><td>2.5</td><td>0.049</td><td>20</td></tr><tr><td>4</td><td>0.030</td><td>33</td></tr><tr><td>5</td><td>0.024</td><td>41</td></tr><tr><td>6</td><td>0.020</td><td>49</td></tr></table>	Thickness	U-Factor	R-Value	1.5	0.081	12	2.5	0.049	20	4	0.030	33	5	0.024	41	6
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6	0.020	49																
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](http://www.kingspanpanels.com)

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