

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 40°F mean temperature		
		Thickness	U-Factor	R-Value	Thickness	U-Factor	R-Value
		1.5	0.093	11	1.5	0.081	12
		2.5	0.056	18	2.5	0.049	20
		4	0.035	29	4	0.030	33
		5	0.028	36	5	0.024	41
		6	0.023	43	6	0.020	49
Air Infiltration	ASTM E1680	0.04 CFM/ft ² 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.