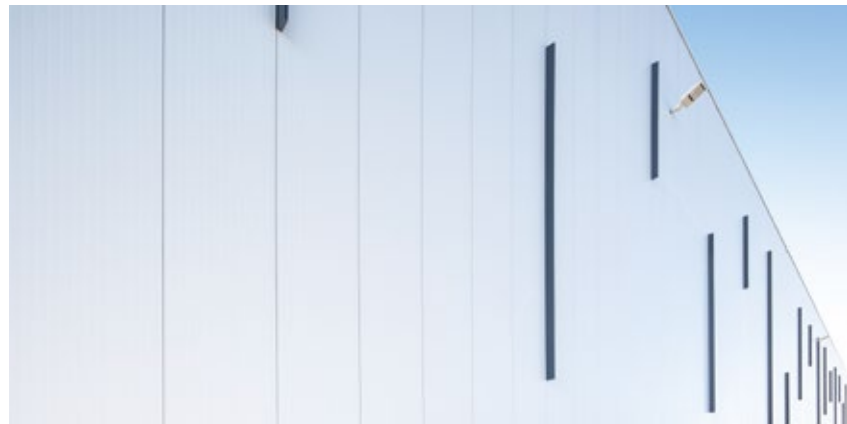


KSX Series Data Sheet

KSX Shadowline® / KSX Micro-Rib® / KSX Mini Micro-Rib®

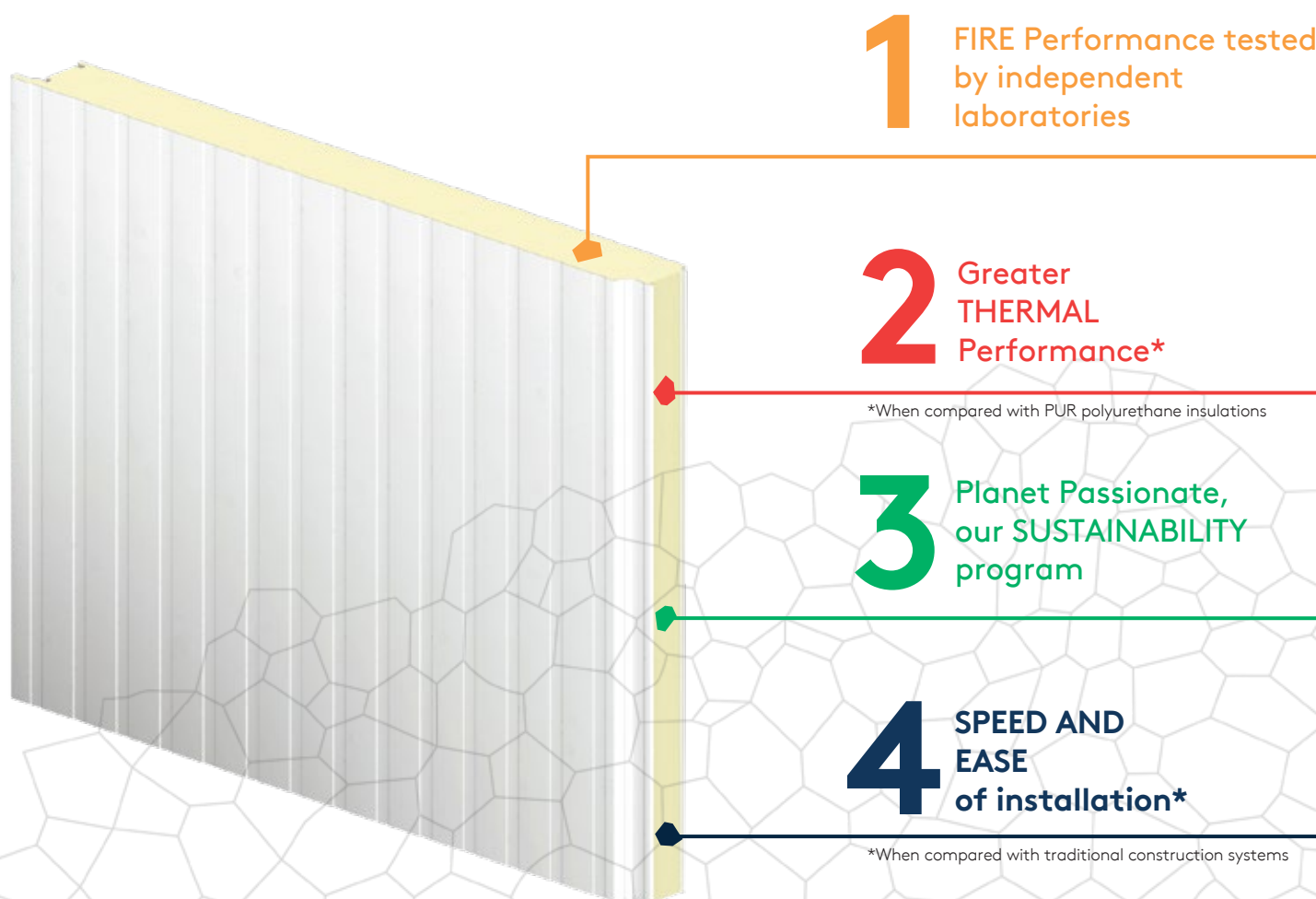


Kingspan Core

The difference lies in our Core; this is where Kingspan has continuously invested in R&D to offer products with performance backed by standards. Check the approved standards by country or visit our website.

Kingspan Mexico has committed to the highest quality in its panels so they provide building efficiency, which is why some products in its portfolio feature a Polyisocyanurate (Class 1) core.

During our panel manufacturing process, we have applied the solid knowledge acquired over 60+ years across our global sites, complying with building codes worldwide. This allows us to offer efficient thermal insulation and the credentials to support your projects.



KSX Series Data Sheet



Product Specifications

KSX Shadowline®

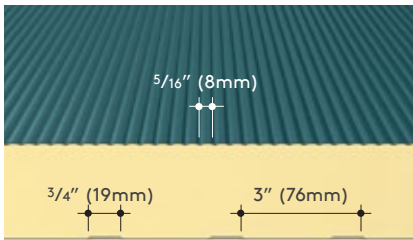
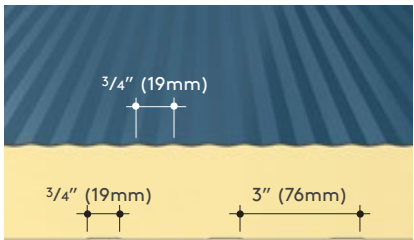
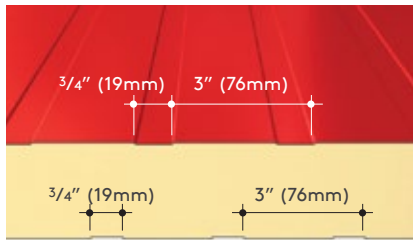
Profile:	Exterior: Shadowline Interior: Shadowline
Gauge:	Exterior: 22, 24, 26 Interior: 22, 24, 26

KSX Micro-Rib®

Profile:	Exterior: Micro-Rib Interior: Shadowline
Gauge:	Exterior: 22, 24 Interior: 22, 24, 26

KSX Mini Micro-Rib®

Profile:	Exterior: Mini Micro-Rib Interior: Shadowline
Gauge:	Exterior: 24 Interior: 22, 24, 26



KSX Series Data Sheet

Insulated Wall Panel Systems



For all KSX Series models

Insulation Core:	Polyisocyanurate (PIRUS) with a density of 31- 40 kg/m ³
Length:	Minimum 2.44 m; maximum 16.00 m
Width:	1.067 m
Joint:	Interlocking type tongue-and-groove
Thickness:	50, 60, 75, 100, 125, 150 mm
Reveal Option:	Vertical: 1/8" o 3/8" Horizontal: 3/8"
Base Colors:	Pure White (RAL9010), Gray White (RAL 9002), Aluminum (RAL 9006), Standard Sand
Orientation:	Vertical or horizontal
R-Value:	≈ 7.19 per nominal inch according to ASTM C518 @ 24 °C
	≈ 8.09 per nominal inch according to ASTM C518 @ 1.6 °C

KSX Series Data Sheet

Insulated Wall Panel Systems

Performance Testing and Approvals

The following applies to all KSX Series product: KSX Shadowline / KSX Micro-Rib / KSX Mini Micro-Rib

Test	Procedure	Results			
Fire	FM 4880	Approved: Class 1 fire rating for construction panels or interior finish materials*			
	ASTM E84	Flame Spread: 25 or less / Smoke Development: 450 or less			
	NFPA 259	Tested for potential heat of building materials			
	NFPA 285	Approved: Standard fire test method for the evaluation of fire propagation characteristics of non-load-bearing exterior wall assemblies containing combustible components			
Structural	FM 4881	Approved: For complete wind pressure ratings,, contact Kingspan Technical Service (technical.mx@kingspan.com) or visit ApprovalGuide.com*			
	ASTM E72	Vacuum Chamber Test. Panel load and deflection tables are available. Contact Kingspan Technical Service (technical.mx@kingspan.com)			
Thermal Transmission	ASTM C518	Thermal Performance at a mean temperature of 24 °C		Thermal Performance at a mean temperature of 1.6 °C	
		Thickness	R-Value:	Thickness	R-Value:
		50 mm	14.2	50 mm	16.2
		60 mm	17.0	60 mm	19.5
		75 mm	21.3	75 mm	24.4
		100 mm	28.3	100 mm	32.5
		125 mm	35.4	125 mm	40.6
		150 mm	42.5	150 mm	48.7
Air Infiltration*	ASTM E283	0.01 CFM/ft² of panel area at 6.24 psf			
Water	ASTM E331	No water penetration at 20 psf differential pressure			
Bond Strength	ASTM D1623	Panels tested for tensile bond strength of metal to foam			

*The reported values are based on a configuration requiring the use of sealants at the joint. Contact Technical Services for installation details.

Insulated Metal Panel with Rigid Polyisocyanurate Foam Core, Kingspan PIRUS brand, KSX Series model.

Report 1803

Test	Procedure	Results
Density:	NMX-C-126-ONNCCE-2010	31.79 kg/m ³
Thermal Transmission:	NMX-C-181-ONNCCE-2010	0.0217 W/m·K
Water Vapor Permeability	NMX-C-2010-ONNCCE-2013	0.087 ng/Pa*s*m
Water Absorption:	NMX-C-228-ONNCCE-2013	2.079 % by weight
Moisture Adsorption:	NMX-C-228-ONNCCE-2013	21.33 % by weight

For product handling and care instructions, refer to the product installation guide.

*Thicknesses: 50 mm - 150 mm, width: 1.067 m. Minimum panel length: 2.44 m. Minimum steel thickness: Exterior 0.41 mm, interior 0.41 mm. To comply with FM, the systems must be installed according to the FM installation specifications as detailed on ApprovalGuide.com. Contact technical.mx@kingspan.com for detailed information or visit ApprovalGuide.com.
The theoretical weight of the panel per square meter is calculated using 26-gauge G60 galvanized steel for both the interior and exterior faces. Panel weight may vary depending on the steel coating, gauge, and the configuration of the interior and exterior steel sheets. For alternative configurations, please contact technical.mx@kingspan.com.



Kingspan Services

At Kingspan Mexico, our customers are our top priority. That is why we have developed a customer service program focused on addressing your needs before, during, and after the sale.

Product Specification

Our Specification team is here to help you identify your needs and propose solutions with alternative products.

Technical Inbox

Have questions? Leave us a message at our technical service email: technical.mx@kingspan.com, and one of our specialists will contact you to answer your questions.

Field Technical Assistance

Our Field Engineering team provides training on product installation, handling, and application; our goal is for your project to succeed.

Technical and Engineering Support

At Kingspan, our team of technical professionals provides support to help develop technical documentation:

- Creation of technical files
- Verification of support spacing
- Thermal insulation recommendations
- Fastening action estimates



Contact

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