Insulated Panel Systems
Kingspan México

KCX KingCrown®
Data Sheet







PLANET PASSIONATE

Kingspan®

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.

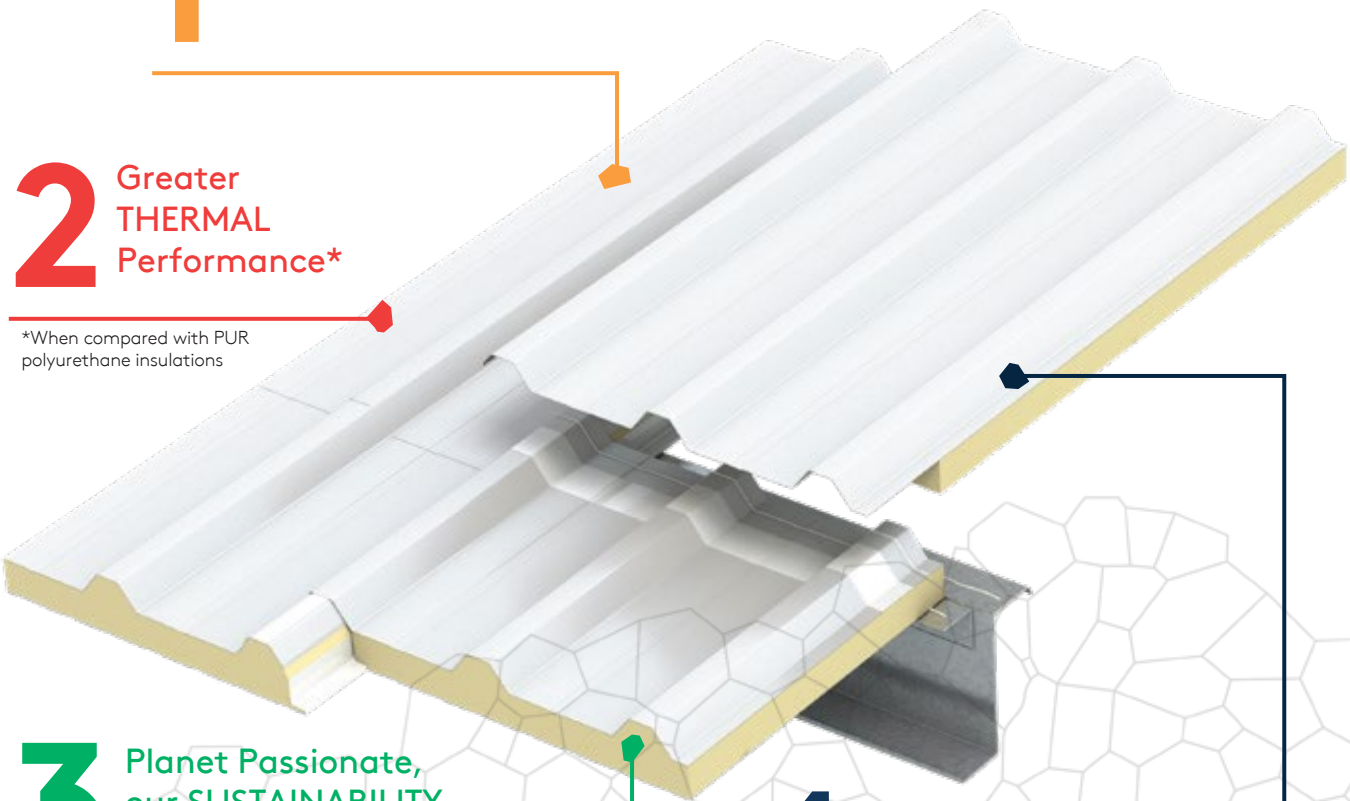
Kingspan Mexico has committed to the highest quality in its panels so they provide building efficiency, which is why some products in its portfolio feature a Polyisocyanurate (Class 1) core.

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.

1 FIRE performance

2 Greater THERMAL Performance*

*When compared with PUR polyurethane insulations



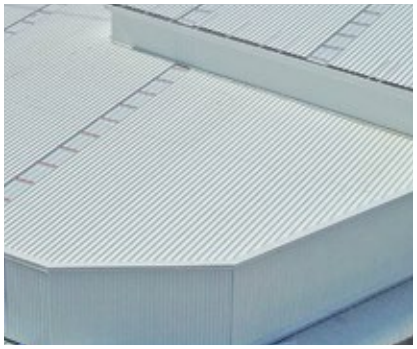
3 Planet Passionate, our SUSTAINABILITY program

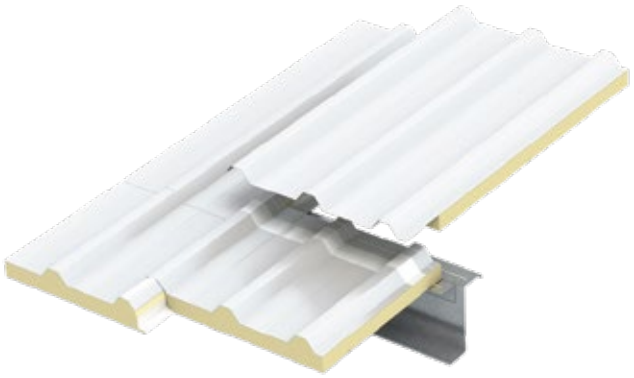
4 SPEED AND EASE of installation*

*When compared with traditional construction systems

KCX KingCrown® Data Sheet

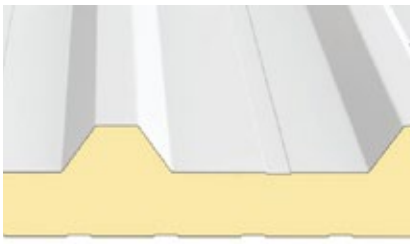
Insulated Roof Panel System





KCX KingCrown®

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



For the KCX KingCrown® model

Insulation Core:	Polyisocyanurate (PIRUS) with density of 31-40 kg/m³
Length:	Minimum 2.44 m; maximum 16.00 m
Width:	1.00 m
Thickness:	40, 50, 60, 75, 100, 125, 150 mm
Base colors:	Pure White (RAL 9010), Aluminum (RAL 9006)

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Insulated Roof Panel System

Performance Testing and Approvals

The following applies to the KCX KingCrown® product:

Test	Procedure	Results
Wind Uplift	FM 4471	Class 1-270 RoofNav Assembly Number #551481 Class 1-135 RoofNav Assembly Number #551484

The following applies to the Kingspan rigid polyisocyanurate foam core (PIRUS) for the KCX KingCrown model.

Report 1803

Test	Procedure	Results
Test Density:	NMX-C-126-ONNCCE-2010	31.79 kg/m3
Thermal Transmittance:	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: 40 mm - 150 mm, width: 1.00 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 RoofNav.com. Contact technical.mx@kingspan.com for detailed information, or consult RoofNav.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.

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

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.

DRAFT



Contact

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Made in Mexico.

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