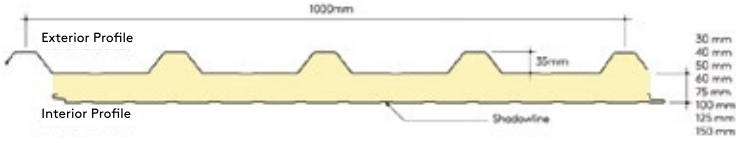
KingCrown® Data Sheet

Insulated KingCrown® Panel System

Panel Specifications

Length:	Minimum of 2.00 m; Maximum of 16.00 m
Width:	1.00 m
Thickness:	30 mm - 150 mm
Joint:	Exposed overlap fastening system
Profile:	Exterior KingCrown
Finished Materials:	KingCrown profile, steel 26, 24 or 22 gauge pre-painted G-60 or Galvalume®
Painted Finish:	High performance polyester coating standard. Optional Superpolyester, Duraplus, Plastisol and PVDF.
Insulation Core:	Polyisocyanurate (PIR) insulating foam with a density of 31-40kg/m³
Base Colors:	Pure White (RAL 9010), Aluminum (RAL 9006). Optional USDA for clean rooms







Applications

KingCrown® is an insulating metal panel for roofing and façade applications. Our insulating metal panel is a lightweight and low-maintenance solution that can be installed quickly and is ideal for Industrial, Commercial, Airport, Agricultural, Mixed Use, and Refrigeration Buildings.

Design Features

The manufacturing process has its hallmark in the design of our insulating core, which imbues our panels with superior quality and consistency. Our product arrives on-site ready to be installed quickly and easily, generating time savings of up to 50% compared to traditional construction systems. The ridge design provides maximum strength and greater spacing capacity*.

Options

Kingspan offers a wide variety of colors, for diverse combinations. High-performance coatings provide long-lasting protection, retaining their color and gloss. Custom color matching is available to meet specific envelope design requirements that facilitate your creative freedom.

*Please contact out Technical Department for more information.

Kingspan®

Performance Testing and Approvals

Test	Procedure	Results
Thermal Transmission:	NMX-C-181-ONNCCE-2010	Thermal Performance at an average temperature of 24 °C

Thickness	R-Value
30 mm	8.2
40 mm	10.9
50 mm	13.6
60 mm	16.3
75 mm	20.4
100 mm	27.2
125 mm	34.0
150 mm	40.8

The following applies to Kingspan brand rigid polyisocyanurate foam core for the KingCrown® model.

Report 1803

Test	Procedure	Results
Density Determination:	NMX-C-126-ONNCCE-2010	31.79 kg/m3
Determination of 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
Determination of Water Absorption:	NMX-C-228-ONNCCE-2013	21.33 % Weight

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

*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.

NOM ONNCCE
NOM-018-ENER-2011

Contact

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