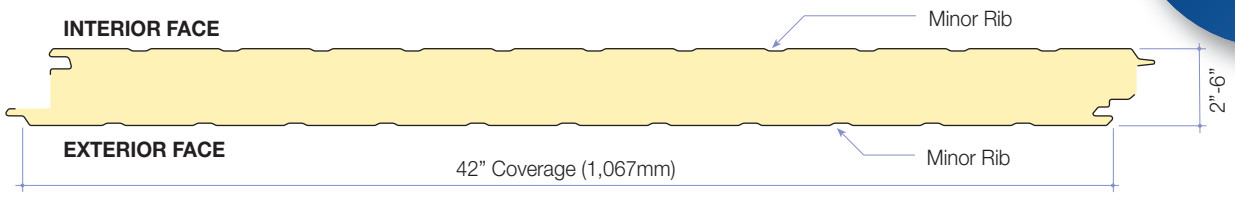
300 Minor Rib

INSULATED INTERIOR WALL PANEL SYSTEM

Kingspan's single component systems **can increase speed of build by up to 50%**

Dimensions



Specifications

Dimensions:	Panel Width – 42" / Panel Length – Minimum 10'-0"; Maximum 48'-0"
Joint Configuration:	Interlocking parallel tongue and groove
Insulation Core:	Foamed-in-place polyisocyanurate (PIR) with nominal density of 2.3-2.6 lbs./cu. ft.
Material:	**Exterior** – 26 gauge stucco embossed steel, AZ50 Galvalume® / Zincalume® or G90 galvanized. Also available in 24 and 22 gauge facings where extra durability is required. **Interior** – 26 gauge stucco embossed steel, AZ50 Galvalume® / Zincalume® or G90 galvanized. Also available in 24 and 22 gauge facings.
Finish Options:	**Exterior** – Standard finish is Valspar® modified polyester high performance coating system. Valspar Fluropon® PVDF is a popular choice where extra protection against chalking and fade is desired. A wide range of color and finish options are available to enhance the aesthetic appeal. **Interior** – Standard finish is Valspar® modified polyester, USDA accepted and suited for most wash down environments. Valspar Fluropon® PVDF can also be used.

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Applications

300 Series panels are used for interior walls, partitions and suspended ceilings in cooler/freezer applications. They may also be used for exterior wall cladding. Both interior and exterior facings feature the same minor rib profile that provides a clean flat appearance and is easily washable.

300 Series panels are suitable for new and retrofit applications across the cold storage, commercial and industrial market sectors.

Design features

High thermal efficiency combined with low installed cost makes the 300 Series the preferred choice for interior cold storage applications. Concealed fasteners provide a continuous look and clean design.

The foamed-in-place manufacturing process produces superior panels of consistent high quality that arrive to site ready for quick and easy installation, saving up to 50% in on-site construction time.

Customer options

Choose from our in-stock Fluropon® colors or select a custom color to match your needs. For interior heavy wash down environments, plastisol (PVC) coatings as well as stainless steel facings are available.

Performance testing and approvals

Kingspan insulated panels meet specific building envelope performance criteria and requirements stipulated by US and Canadian building codes. Panels are tested in accordance with UL, ULC, FM and ASTM approval standards, testing methods and procedures. Kingspan insulated panels are listed by FM Global and Warnock Hersey.

Test	Procedure	Results
Fire	FM 4880	Class 1 Fire Rating of Insulated Wall or Wall and Roof/Ceiling Panels, Interior Finish Materials or Coatings, and Exterior Wall Systems
	ASTM E84	Flame Spread: 25 or Less Smoke Developed: 450 or Less
	ULC-S101	Standard Methods of Fire Endurance Tests of Building Construction and Materials
	ULC-S102	Standard Method of Test for Surface Building Characteristics of Building Materials and Assemblies
	ULC-S127	Standard Corner Wall Method of Test for Flammability Characteristics of Non-Melting Building Materials
	UBC26-4 / NFPA 285	Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components
	NFPA 259	Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components
Toxicity Test	State of New York, Article 15, Part 1120 of the New York State Uniform Fire Prevention Code	Kingspan panels are in compliance
Strength	FM 4881	Approval Standard for Class 1 Exterior Wall Systems
	ASTM E72 Chamber Method	Panel load / span and deflection tables are available
Thermal Transmission	ASTM C518	2” R = 15 / U = 0.067 2.5” R = 19 / U = 0.053 3” R = 24 / U = 0.042 4” R = 32 / U = 0.031 5” R = 41 / U = 0.024 6” R = 49 / U = 0.020
Air Infiltration	ASTM E283	0.003 CFM/ft² of Panel Area at 6.24 psf
Water Penetration	ASTM E331	No Water Penetration at 20.0 psf
Fatigue Test	Subjected to 2 million alternate cycles of 20 PSF positive and negative wind loading	No metal / foam delamination or metal fatigue
Humidity Test	Sample subjected to 100% relative humidity at 140 °F for 1000 hours	No evidence of metal primer corrosion
Autoclave Test	Sample placed in an autoclave device and pressurized to 2 PSI at 212 °F for 2 1/2 hours	No evidence of delamination
Skin Delamination		No skin delamination with direct pull off pressure up to 1188 psf

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Issue 2: 9/2011