

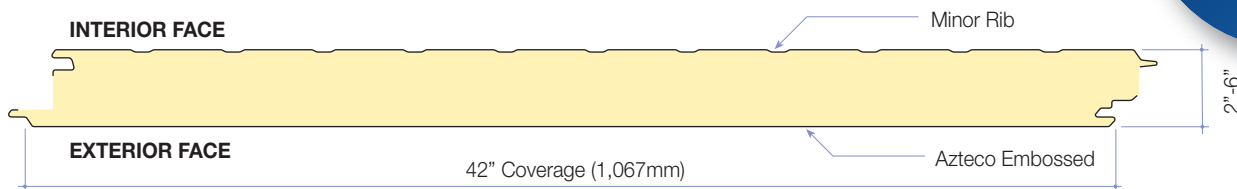


300 GS Granitstone[®]

INSULATED 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:	<p>Exterior – 24 gauge Azteco[®] embossed steel, AZ50 Galvalume[®] / Zinalume[®] or G90 galvanized. Also available in 22 gauge facings where extra durability is required.</p> <p>Interior – 26 gauge stucco embossed steel, AZ50 Galvalume[®] / Zinalume[®] or G90 galvanized. Also available in 24 and 22 gauge facings.</p>
Finish Options:	<p>Exterior – Standard finish consists of oven baked epoxy primer with factory applied sprayed stucco acrylic aggregate, minimum 12 mils dry film thickness.</p> <p>Interior – Standard finish is Valspar[®] modified polyester, USDA accepted and suited for most wash down environments. Valspar Fluropon[®] PVDF can also be used.</p>



Applications

300 GS Series Granitstone® combines the many advantages of lightweight insulated panels with the aesthetics of stucco or natural stone. Panels resemble stucco, and use an acrylic aggregate finish factory-applied over primed steel facings. Granitstone® Quartz panels provide the ultimate in natural stone appearance. Panels are also available in striated profile.

The interior face features a minor rib profile providing a clean, flat appearance that is easily washable.

300 GS Series is ideal for new and retrofit applications across commercial and industrial market sectors.

Design features

Granitstone® panels arrive to site ready for quick and easy installation, removing the need for additional sub-trades.

Granitstone® panels are designed for use with light gauge girts, steel stud or tube steel wall systems.

A wide range of standard and custom colors are available with field proven durability of over 25 years.

Customer options

Choose from 8 in-stock Granitstone® colors, 5 in-stock Quartz 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/ft ² 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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