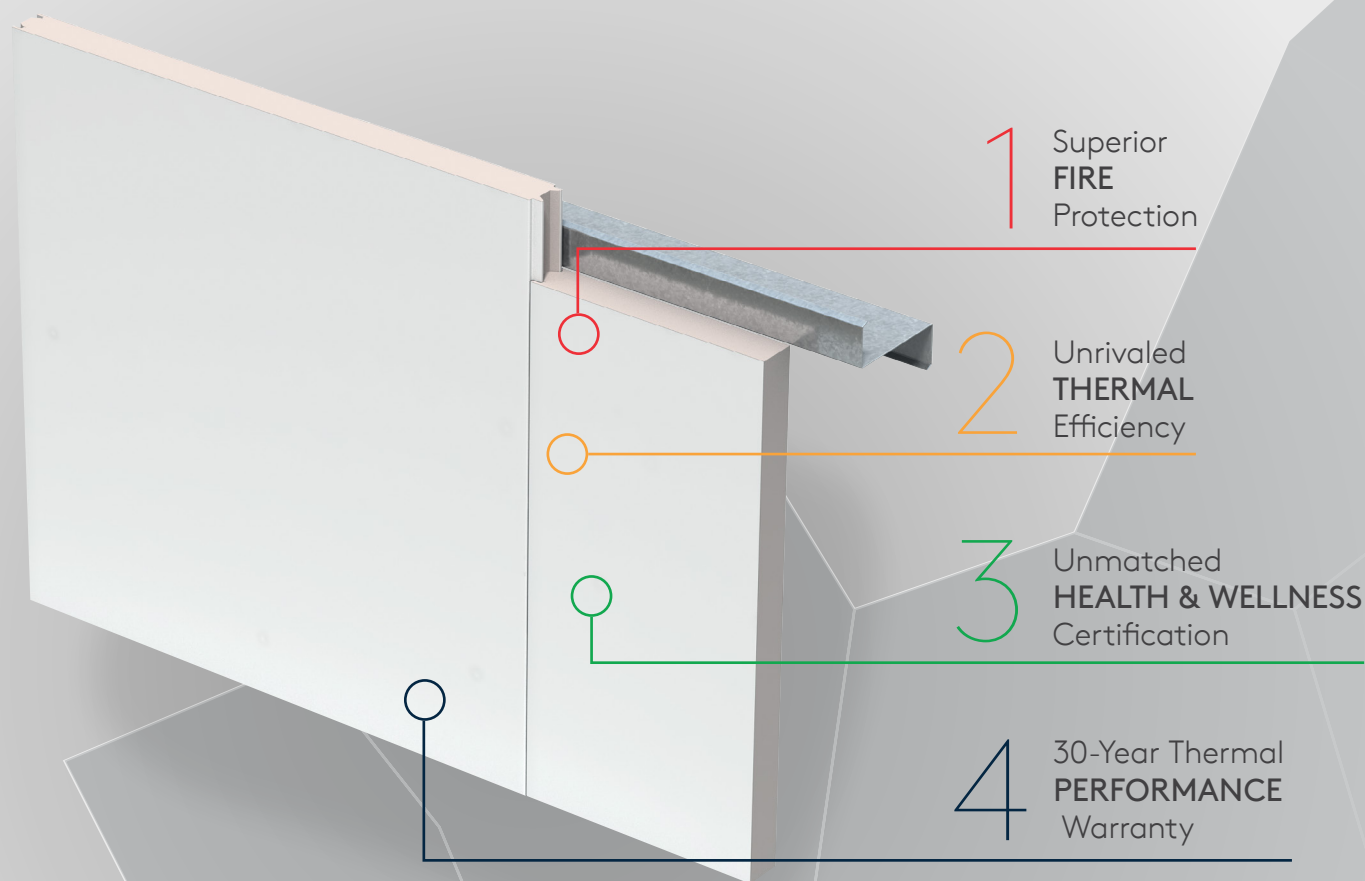


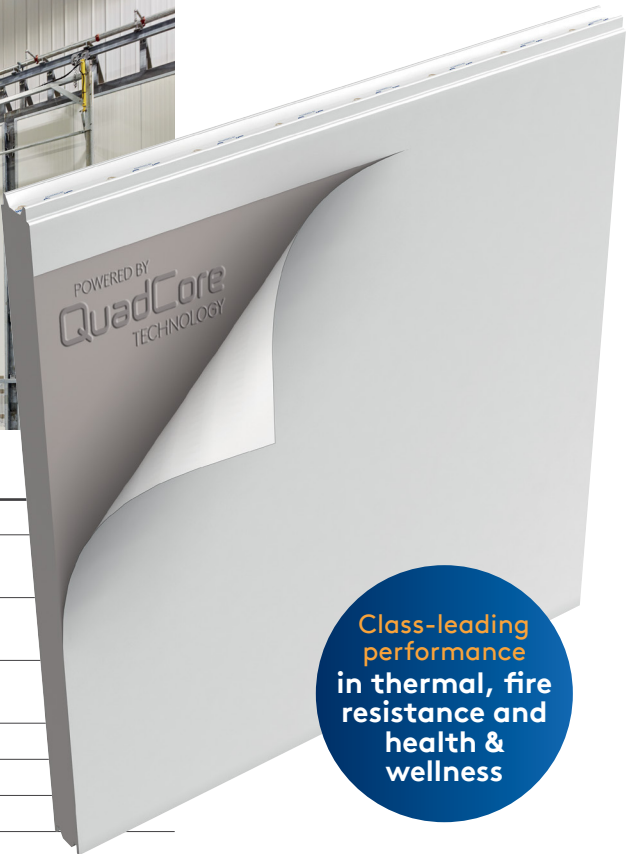


QuadCore® KS Flat Interior Data Sheet



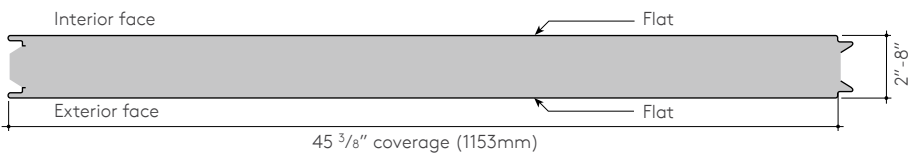
QuadCore® KS Flat Interior Data Sheet

Insulated Interior Wall and Ceiling Panel System



Product Specification

Insulation core:	QuadCore® Technology
Profile:	Exterior: Flat Interior: Shadowline or Flat
Embossing:	Exterior: Stucco or non-embossed Interior: Stucco or non-embossed
Gauge:	Exterior: 24, 22 ga Interior: 24, 22 ga
Width:	45 3/8"
Thickness:	2", 2 3/4", 3", 4", 5", 6", 8"
Length:	8' - 53'
Orientation:	Vertical
R-value:	≈ 8 per inch per ASTM C518 @ 75°F mean temperature ≈ 9 per inch per ASTM C518 @ 35°F mean temperature



A premium engineered wall/ceiling system for interior applications. Specially designed to meet today's high-performance standards in a wide variety of environments.

Applications

KS Flat Interior panels with QuadCore® are ideal for interior walls and ceilings in cold storage buildings, food and meat processing plants, critical temperature and controlled environment areas as well as in medical or pharmaceutical facilities.

Design Features

KS Flat Interior panels with QuadCore® utilize a superior joint design that ensures a tight, well-designed vapor barrier in enclosures of any size. Panels are produced in the attractive stucco embossed or smooth profiles on both the exterior and interior face. Panel coverage is available in standard 45 3/8" width.

CLEANSafe Coating

Available with CLEANsafe 120 coating for superior protection against corrosion. CLEANsafe provides hygiene-safe requirements when exposed to secondary food and corrosive cleaning agents. For interior heavy wash down environments, plastisol (PVC) coatings as well as stainless steel facings are available.

Member
C E B A
Controlled Environment
Building Association

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Performance Testing and Approvals

Kingspan insulated panels featuring QuadCore® Technology meet specific building envelope performance criteria and requirements stipulated by US and Canadian building codes.

Test	Procedure	Results					
Fire	FM 4880	Passed: Class 1 Fire Rating of Building Panels or Interior Finish Materials*					
	FM 4882	Passed: Smoke Sensitive Occupancies Interior and Exterior Use*					
	ASTM E84	Flame Spread: 25 or Less / Smoke Developed: 90 or Less					
	CAN/ULC-S102	Flame Spread: 20 / Smoke Developed: 45 for panel insulation core					
	CAN/ULC-S138	Passed: Fire growth of foamed plastic insulated building panels in a full scale room configuration					
	NFPA 259	Tested for potential heat of building materials					
Structural	ASTM E72	Vacuum chamber tested. Panel load / span and deflection tables are available					
Thermal Transmission	ASTM C518	Thermal Performance at 35°F mean temperature		Thermal Performance at 75°F mean temperature			
		Thickness	R-Value	Thickness	R-Value		
		2	18	2	16		
		2.75	24.75	2.75	22		
		3	27	3	24		
		4	36	4	32		
		5	45	5	40		
		6	54	6	48		
		Bond Strength	ASTM D1623	Panels tested for tensile bond strength of metal to foam			
				Sample placed in an autoclave device and pressurized to 2 PSI at 218°F for 2½ hours			
Skin Delamination		No skin delamination with direct pull off pressure up to 1188 psf					
Regional Approvals	City of LA (LADBS)	CCRR 0567; FB 3080					

*Thickness: 2"-8", Width: 45", Min. panel length: 8', Min. gauge: Exterior 26 ga, Interior 26 ga.

For FM compliance, systems must be installed in accordance with FM installation specifications as detailed on ApprovalGuide.com. Please contact technical.NA@kingspanpanels.com for detailed information or refer to ApprovalGuide.com.



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