SCIENTIFIC APPLICATIONS OF INSULATED PANELS

Insulated panels are a critical component of scientific applications and permit users to control temperature, humidity, air purification and overall cleanliness regardless of use. KPS Global[®] works with dealers and integrators to optimize the solution to meet project specifications. Panels made specifically for scientific applications require unique customizations depending on their intended use.







APPLICATIONS:

- Blood Banks
- Blood Plasma Storage
- Cold Rooms
- Warm Rooms
- Mortuary Coolers
- Scientific Chambers
- Growth Chambers
- Pharmaceutical Testing Facilities
- Clean Rooms
- Lab Rooms
- Dry Rooms
- Stability Chambers
- Archival Storage
- Data Centers
- Vehicle Test Chambers

Contact KPS Global To Connect You With An Expert Integrator





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PANEL CONSTRUCTION

Insulated panels for controlled environments in the scientific community must meet exact project specifications. KPS Global manufactures custom insulated panel systems designed to handle vigorous project requirements. Panels are constructed in 3½", 4" or 5" thicknesses with interlocking tongue and groove perimeter frames and lock together with a cam-lock system. The interior of the panel is a solid core, poured-in-place urethane insulation, with a density of 2.2 pounds per cubic foot, to ensure superior performance. This construction method allows various environmental conditions to be met. The urethane also meets the ignition properties requirements of ASTM D-1929 and is CFC free. KPS Global insulated panels can be manufactured with either a wood frame, non-wood, or hybrid rail. Regardless of your application, KPS Global has a panel that will meet or exceed the standards and regulations required for your specific industry.



CAM-LOCK (UNLOCKED)



PANEL JOINT COMPONENTS



Nominal Panel Thickness (in)	Wood Frame R-Value	INSULFRAME [™] HDR Frame R-Value	FUSIONFRAME® R-Value
55° Frame Mean Temp R-Value			
5	6.25	18.26	26.25
4	5.00	14.61	20.28
31/2	4.38	12.79	17.58

FUSIONFRAME R-Value based on 5 lb. polyurethane foam insulation density. FUSIONFRAME and HDR polyurethane foam R-Value determined by ASTM C518 Test Method. Wood frame R-Value derived from published data.

WHY DEALERS & INTEGRATORS SELECT KPS GLOBAL PANELS

KPS Global is committed to working with dealers and integrators to manufacture and provide industry leading insulated panel systems. Panels made specifically for scientific applications require unique customizations depending on their intended use. Our in-house engineers work with integrators and dealers to create a seamless process to customize the finish material, floor type, door type and more. Certifications, such as NSF and FM, are available upon request. Our custom products paired with our knowledgeable and experienced team of designers create panel systems that can adhere to building and safety codes and meet project requirements.











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