



RPFL INSULATED PANELS

PRODUCT DESCRIPTION

In the wake for greener options - RPFL introduces RPFL Insulated Panels.

Application - cool room panels, food processing storage, cold storage, suspended ceiling panels, insulated partition walls and doors.

Panel Properties							
Panel Thickness (mm)	50	75	100	125	150	200	250
Mass (kg/m ²)	11.30	11.60	12.00	12.30	12.70	13.30	14.00
Thermal Performance at 6 °C							
U' Value (W/m ² K)	0.76	0.51	0.38	0.30	0.25	0.19	0.15
'R' Value (m ² K/W)	1.32	1.92	2.63	3.29	3.95	5.26	6.58

Advantage of RPFL Insulated panels -

- Durability
- Aesthetically pleasing appearance
- Exceptional low maintenance
- Ease and speed of installation
- No specialized skill required for the installation
- Excellent insulation properties
- Easily transported in kit form
- Lower costs and less wastage of materials

Cold Storage Wall Panels

The necessity to maintain the proper temperature in cold storage systems proves to be a challenge for some. RPFL has strategic cold storage systems solutions: cold storage wall panels that provide superior thermal performance, reduced air leakage, and faster build times.

Cold Storage Wall System Features and Benefits.

- **High R-Value** - Cold Storage Systems provide levels of thermal (R-Value) and airtightness performance over the service life of the building. The insulated panels for cold rooms are exterior of the building structure to provide the best thermal performance, reduce air leakage, and faster build times.
- **Energy Efficiency** - Cold storage wall systems have a core of continuous, rigid insulation for industry with superior airtightness performance.
- **Indoor Environment Quality** - Cold Storage Walls helps ensure a stable interior environment.
- **Eased Construction** - All cold storage systems are simple to detail and attach, reducing schedules and installation errors.
- **Life-Cycled Benefits** - Cold Storage walls last as long as the service life of a typical commercial building. The durable metal panels also reduce operational costs for energy maintenance and offer multiple end-of-life reuse options.

Span Table Internal Cold Storage

SL Grade EPS-FR Core/ 0.6mm Steel Skins, Maximum span(mm)

Single Span, internal cold storage 0 °C or more							
Application	Panel Thickness (mm)						
	50	75	100	125	150	200	250
Walls(Non-Load Bearing)	-	5700	7100	8300	9300	10800	12000
Walls(Load Bearing)	-	5100	6500	7500	8200	9500	10700
Ceilings	-	5400	6600	7500	8100	9300	9900

Core	EPS-FR (Expanded Polystyrene with fire retardant)
Width(cover mm)	1200
Thickness(mm)	50, 75, 100, 125, 150, 200, 250
Length(mm)	Up to 4.8m(check for availability)
Exterior Facing Skin	0.6mm G300 CRP grade COLORBOND® Steel
Interior Facing Skin	0.6mm G300 CRP grade COLORBOND® Steel
Exterior Facing Colour	COLORBOND®: White or other standard & non-standard colours
Standard Colours	
Interior Facing Colours	
Finishes	Plain
Acoustic Properties	R _w 24
Fire Hazard Properties - AS1530.3 indices	
Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Index	2 - 3



Multi-Span, internal cold storage 0 °C or more							
Application	Panel Thickness (mm)						
	50	75	100	125	150	200	250
Walls(Non-Load Bearing)	-	6500	7500	8900	9100	10500	11700
Walls(Load Bearing)	-	6000	6900	7700	8400	9700	10900
Ceilings	-	5900	6600	7500	8100	9300	9900