

CRAZY PANELS

PIR CN WALL PANELS Technical Data Sheet

Our PIR wall panels are used in cold storage, food preparation and clean rooms, or any application where superior insulation is required with a FM Global 4881 Fire retardant.

Core	PIR (Polyisocyanurate) 45km/m ³
Width cover mm	Wall 1100mm
Thickness mm	50, 100
Length	Up to 6000mm
External Material	0.5mm Al-Zn Coated Steel
External Colour	Surf Mist

Properties

Thickness	50mm	100mm
Mass kg/m ²	9.8	13.25
R-value m ² K/W @ 23°C	2.25	5.0

1 & 2 Span Internal Cold Storage Maximum Span mm

Thickness	50mm	100mm
Walls non-load bearing	3600	5700
Walls load bearing	3500	5500

3 or more Span Internal Cold Storage Maximum Span mm

Thickness	50mm	100mm
Walls non-load bearing	3500	5500
Walls load bearing	3400	5350

NOTES

This span table labelled Internal Cold Storage applies for cold storage constructed wholly within a larger enclosed building.

Panel thicknesses of not less than 100mm are recommended for chillers.

Check R-value for insulation requirements.

Self-weight of the panel has been allowed for, plus an allowance of up to 10kg/m² for light duty fittings (lights, etc.). No other dead loads permitted.

Non-trafficable maintenance access (concentrated load) of 140kg on any one panel has been allowed for.

Span Tables NON-CYCLONIC REGIONS A&B

Maximum uniformly distributed ultimate wind load (kPa) for the given span

Internal/External Wall Panels 1 or 2 Span

Span mm	Thickness		
	50mm	75mm	100mm
1500	4.55	6.50	9.64
2000	2.76	4.00	5.40
2500	1.79	2.65	3.42
3000	1.22	1.87	2.40
3500	0.89	1.37	1.80
4000	-	1.04	1.34
4500	-	-	1.07
5000	-	-	-

Internal/External Wall Panels 3 or more Span

Span mm	Thickness		
	50mm	75mm	100mm
1500	3.79	5.42	8.03
2000	2.3	3.33	4.5
2500	1.49	2.21	2.85
3000	1.02	1.56	2
3500	0.74	1.14	1.5
4000	-	0.87	1.12
4500	-	-	0.89
5000	-	-	-

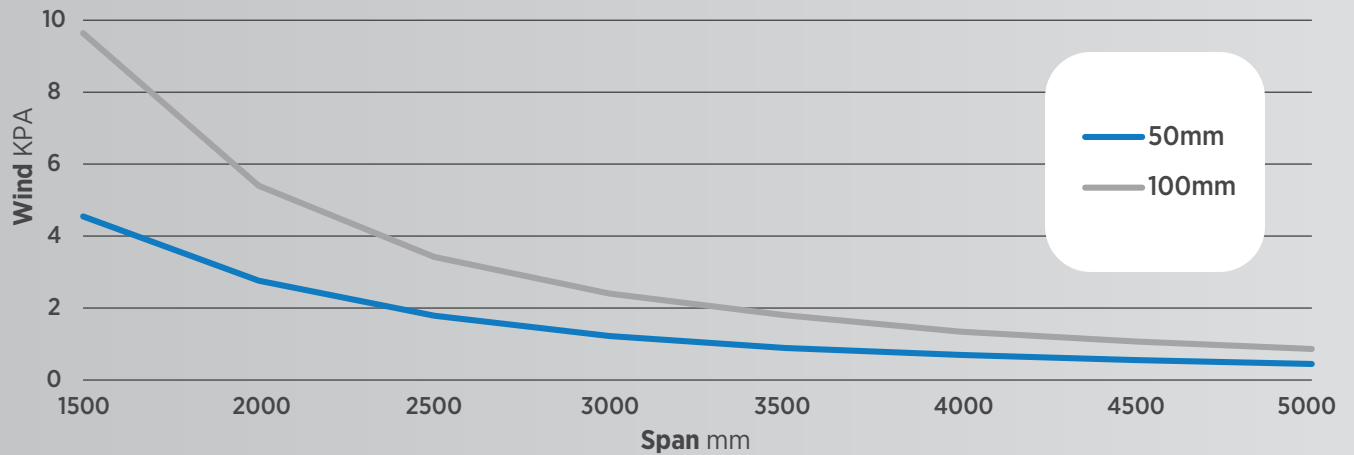


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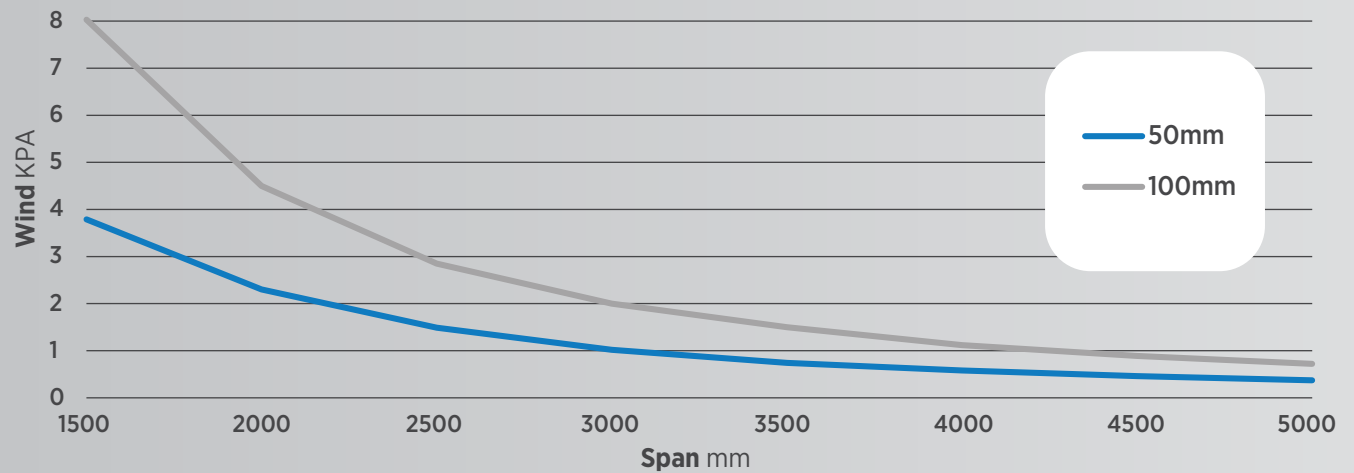
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Internal/External Wall 1 & 2 Span



Internal/External Wall 3 or more Span

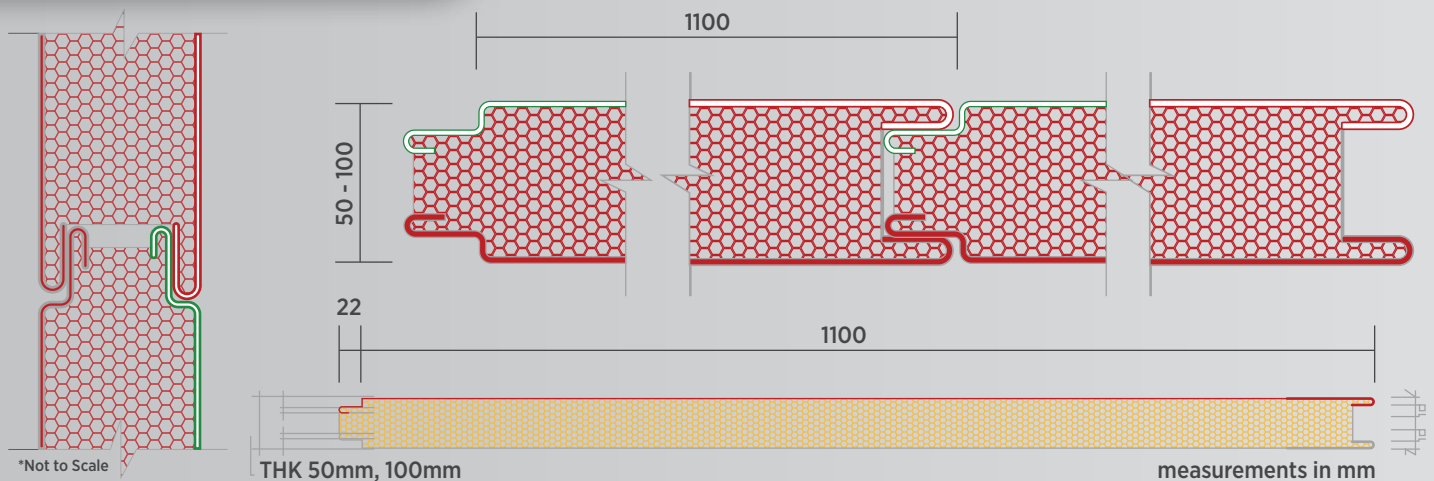


NOTES

Self weight of the panel has been allowed for, plus an allowance of up to 10kg/m² for light duty fittings (lights, etc.). No other dead loads permitted.

Pressures specified are for wind gusts only per AS/NZS 1170.2

PIR CN Wall Panel Profile



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