

ลักษณะพื้นผิว (Surface)

- แผ่นลอน Corrugated
- แผ่นเรียบ Smooth

อุณหภูมิการใช้งาน (Operating Temperature)

Range: -50 °C to +70 °C depend on thickness and density

ขึ้นอยู่กับความหนาและความหนาแน่นของฉนวน

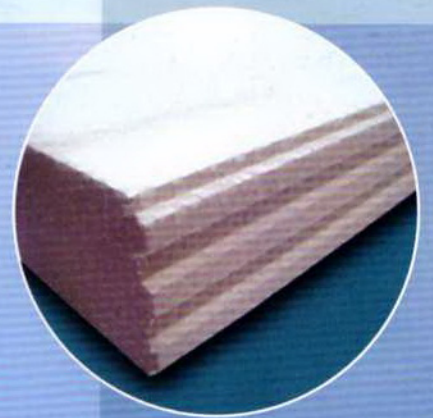
แผ่นลอน
Corrugated

แผ่นเรียบ
Smooth

Operating Temperature (°C)	Minimum Thickness
+ 20	50 mm.
+ 10	75 mm.
± 0	100 mm.
- 10	125 mm.
- 20	150 mm.
- 25	200 mm.
- 40	250 mm.

Technical Data

Panel Thickness mm. (Inches)	U Value W/m ² K	R Value m ² K/W	Nominal Panel Weights (Kg/m ²)
50 (2.0)	0.76	1.32	10.5
75 (3.0)	0.51	1.97	11.0
100 (4.0)	0.38	2.63	11.5
150 (6.0)	0.25	3.95	12.5
200 (8.0)	0.19	5.26	13.5
250 (10.0)	0.15	6.58	13.9



Finger Joint EPS

Maximum Span for Uniform Loads (0.60 mm. Steel faced)

Nominal Panel Thickness mm. (Inches)	Safe Uniform Loads kN/m ²							
	Span Length in Metres							
	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
50 (2.0)	1.50	1.00	0.75	0.48	0.33			
75 (3.0)	2.16	1.44	1.00	0.69	0.48	0.35		
100 (4.0)	3.00	2.00	1.50	0.95	0.66	0.49	0.37	
150 (6.0)	4.48	3.00	2.24	1.43	1.00	0.75	0.56	0.44
200 (8.0)	5.38	3.59	2.69	1.72	1.20	0.88	0.67	0.53
250 (10.0)	6.46	4.30	3.23	2.06	1.44	1.05	0.80	0.64

Remark

- The tabulated safety loads are recommended unfactored maximum nett loads. In assessment of design load the designer should take into account GREATWALL panel self weight
- Compliance with these recommendations will ensure that deflections do not exceed span/90. Where more severe deflection restrictions are required specific testing of deflection characteristics is recommended for the various span/thickness combinations.
- A Minimum design load of 0.5 kN/m² is recommended for general applications. Circumstances may require different design loading.
- The tabulated safe load may be increased by 20% if the panel is continuous over three or more spans. This increase is recommended only for spans that are essentially equal and are subject to uniform loading