

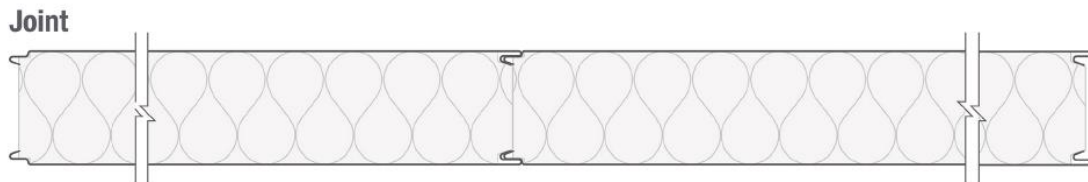


HIGHLANDER MANUFACTURING LTD

TECHNICAL DATA SHEET

EPS Panel is a stressed skin sandwich panel, comprised of pre-painted steel skins continuously laminated.

Polystyrene (EPS) core. EPS is available in one neutral colour with two profiles Flat and Ribbed providing greater strength in walls and a clean, smooth aesthetic look.



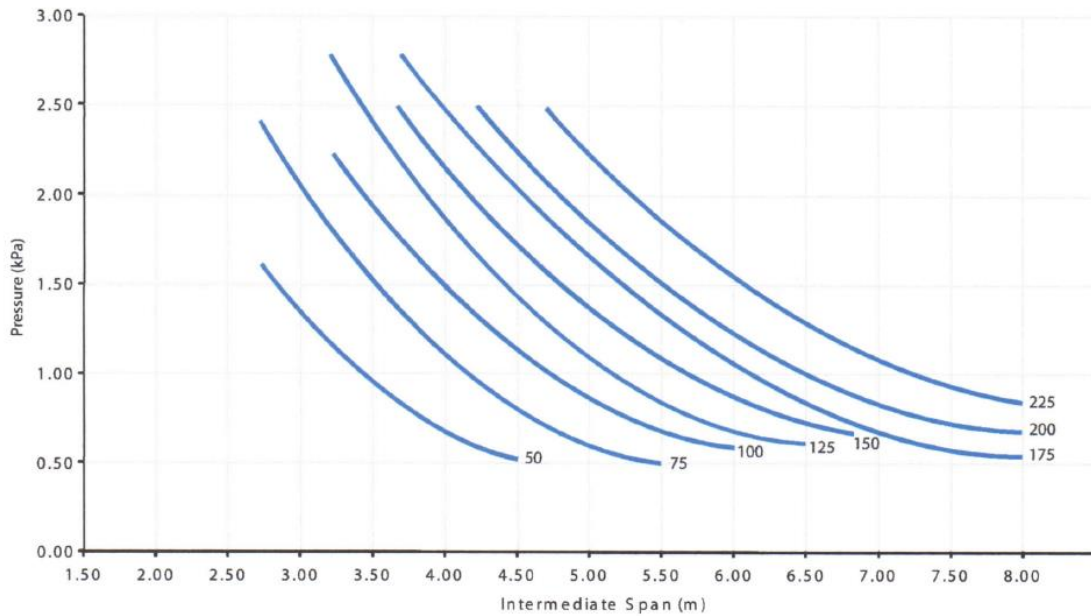
EPS panel is a stressed skin sandwich panel, comprised of pre-painted steel skins continuously laminated over a Polystyrene (EPS) core.

Product Properties:

Width: 1150mm
 Panel External Facing: 0.59mm Pre-painted Galvanised Steel. Titania colour standard
 Panel Internal Facing: 0.59mm Pre-painted Galvanised Steel. Titania colour standard
 Panel Core:.....Class S Standard
 Material Group C1.10 Group 1 & 2

Thickness(mm)	50	75	100
Mass(Kg/m ')	24	24	24
U Value (W/m 'K)	0.60	.40	0.30
R Value (m 'K/W)	1.67	2.50	3.33

EPS Panel UDL Graph



Note: Allowable wind pressure is in accordance with AS1170.2 for permissible stress analysis

Factor of Safety is 1.80 on ultimate.

Recommend Maximum Spans for Roof Panels:

The recommended maximum span table below is for EPS sandwich panel roofing with 0.3 thick steel skin bounded to an expanded polyester foam core.

The span table is for roof panel which is subject to a live load only, which is not in excess of roof live loads for non trafficable roofs as set out in clause 3.8.1.1 of AS 1170 part 1, which makes the allowance for minor live loading occurring in maintenance and repair operations.

THICKNESS	MAXIMUM SPAN
50mm	3500
75mm	4800
100mm	6.000