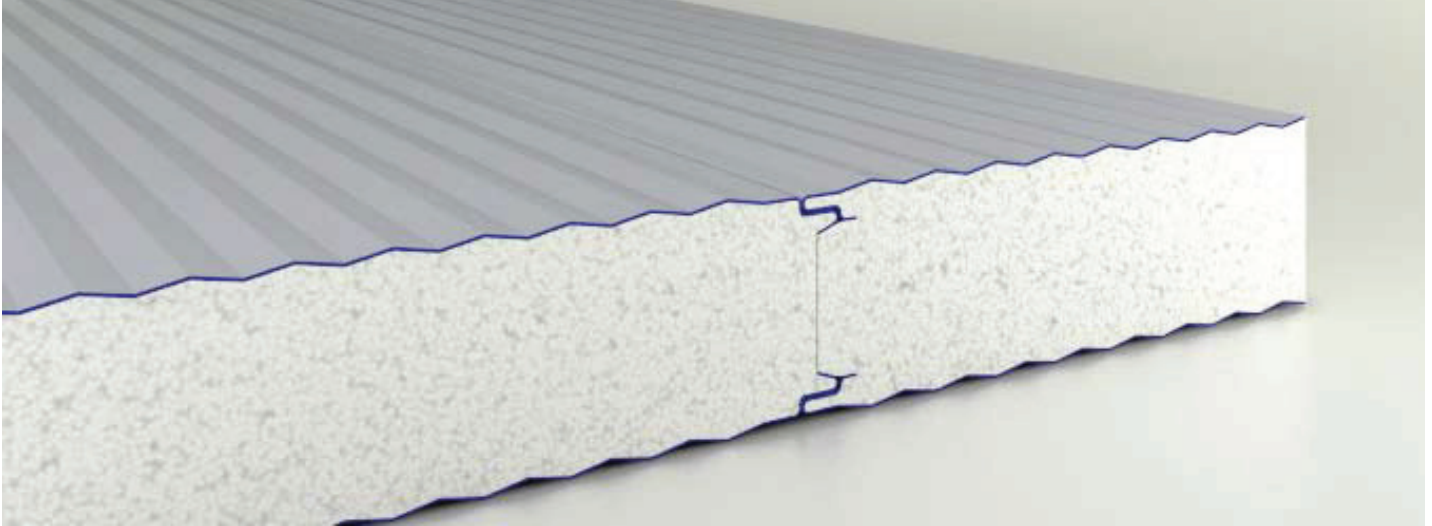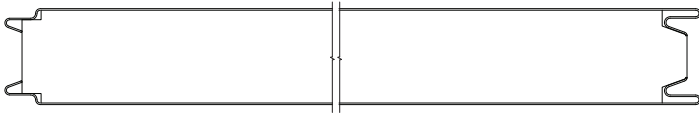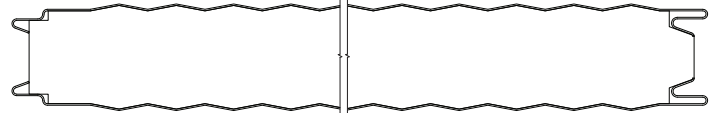# ThermoPanel EPS

ThermoPanel EPS is a stressed skin sandwich panel, comprised of pre-painted steel skins continuously laminated over a fire retardant Polystyrene (EPS) core. The EPS core is fire retardant. ThermoPanel EPS is available is a range of colours with a variety of profile finishes, providing greater strength in walls and a clean, smooth aesthetic look.
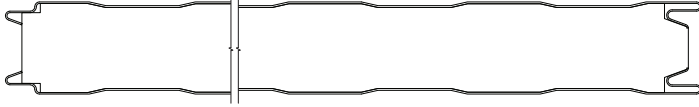
Profile Finish: Flat

Profile Finish: Silkline

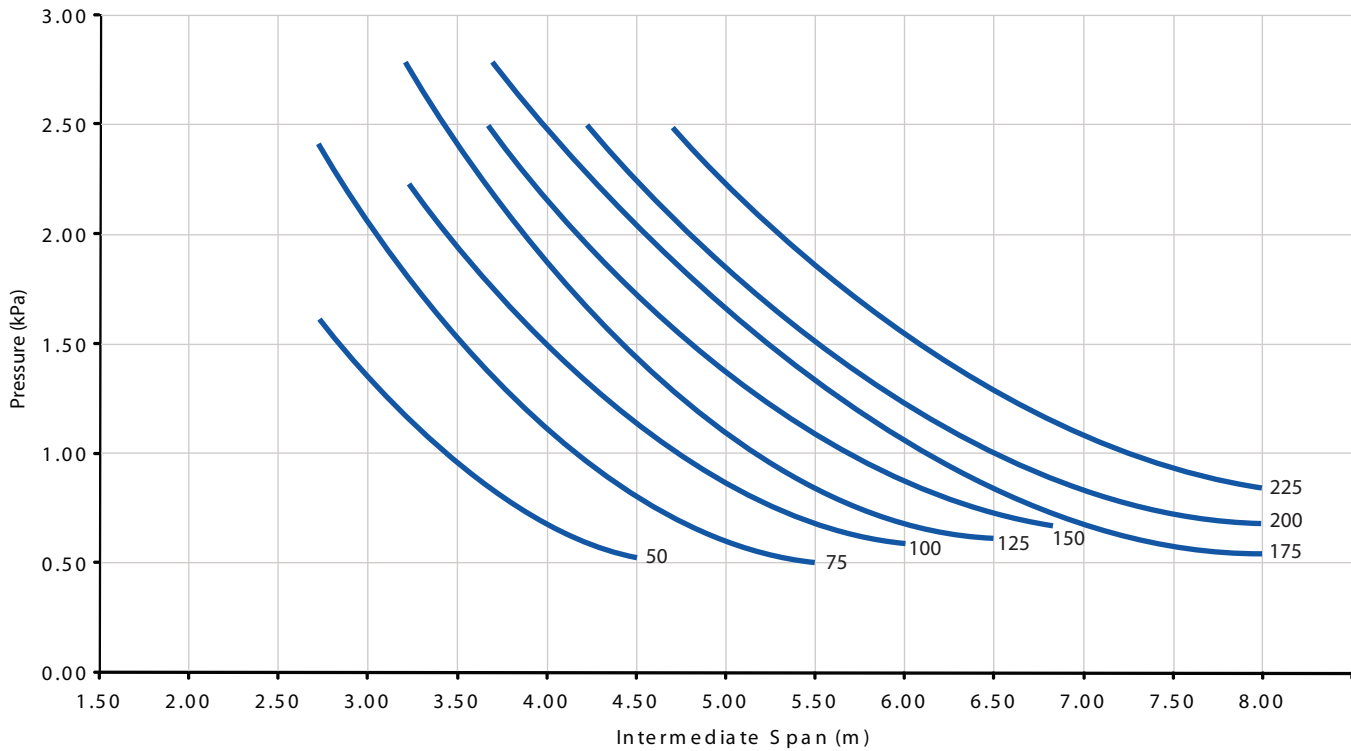Profile Finish: Mesa

Profile Finish: Ribbed

Product Properties

Width:	1200mm
Panel External Facing:	0.59mm CP Grade Prepainted Galvanised Steel. Titania colour standard.
Panel Internal Facing:	0.59mm CP Grade Prepainted Galvanised Steel. Titania colour standard.
Panel Core:	Class S Standard
Fire Rated:	No
Fire Resistant:	No
FM Approved:	No

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
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	1.97	2.63	3.29	3.95	5.26	6.58

ThermoPanel EPS

ThermoPanel EPS UDL Graph

1. Allowable wind pressure is in accordance with AS1170.2 for permissible stress analysis.
2. Factor of Safety = 1.80 on Ultimate