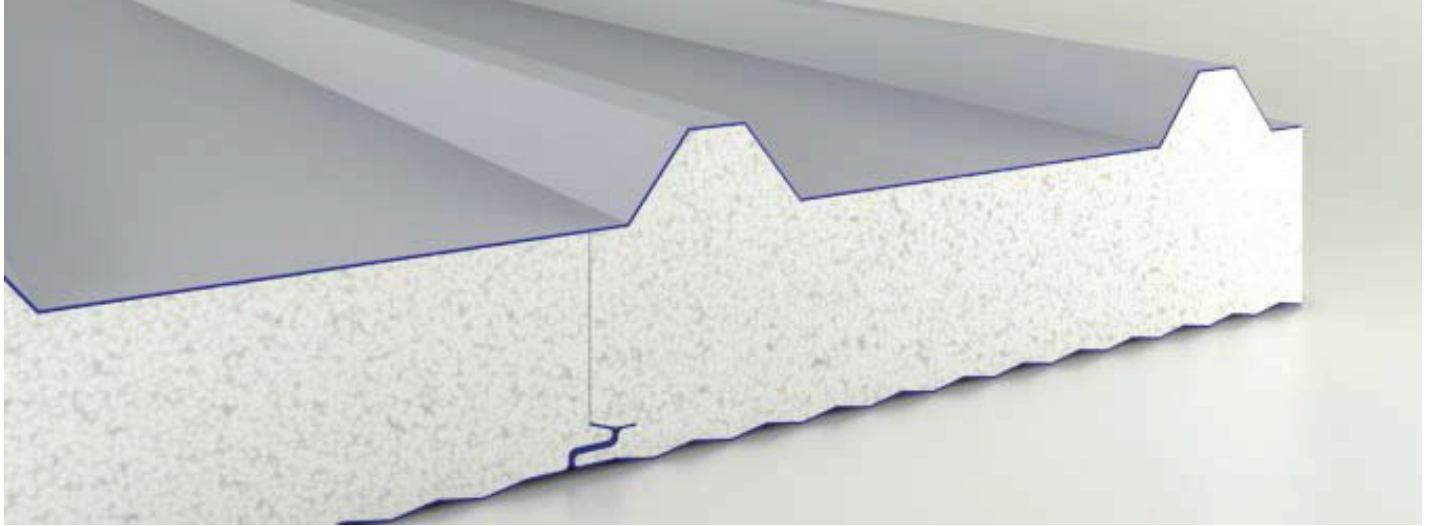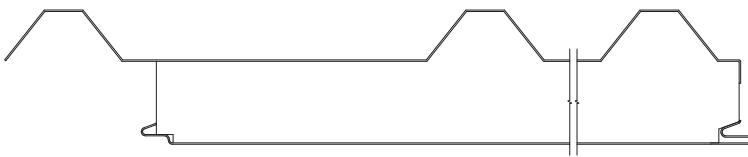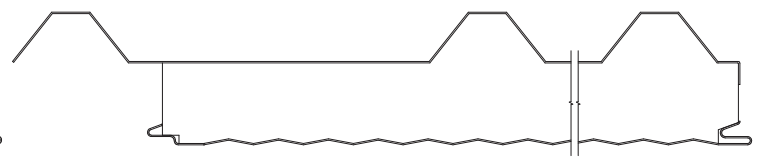# ThermoSpan EPS

ThermoSpan EPS consists of a 0.59mm profiled roofing sheet bonded to an EPS core with a ceiling panel sheet bonded to the underside.

ThermoSpan EPS has a fire retardant EPS core and is available with a range of colour and ceiling profile finishes.
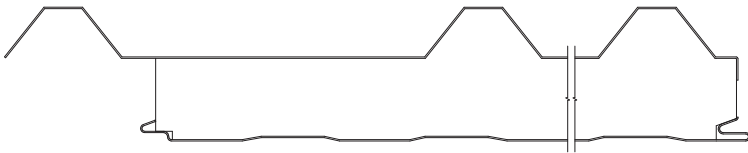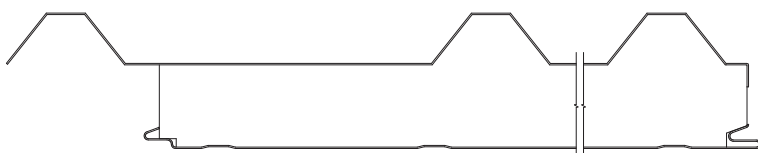
Profile Finish: Flat

Profile Finish: Silkline

Profile Finish: Mesa
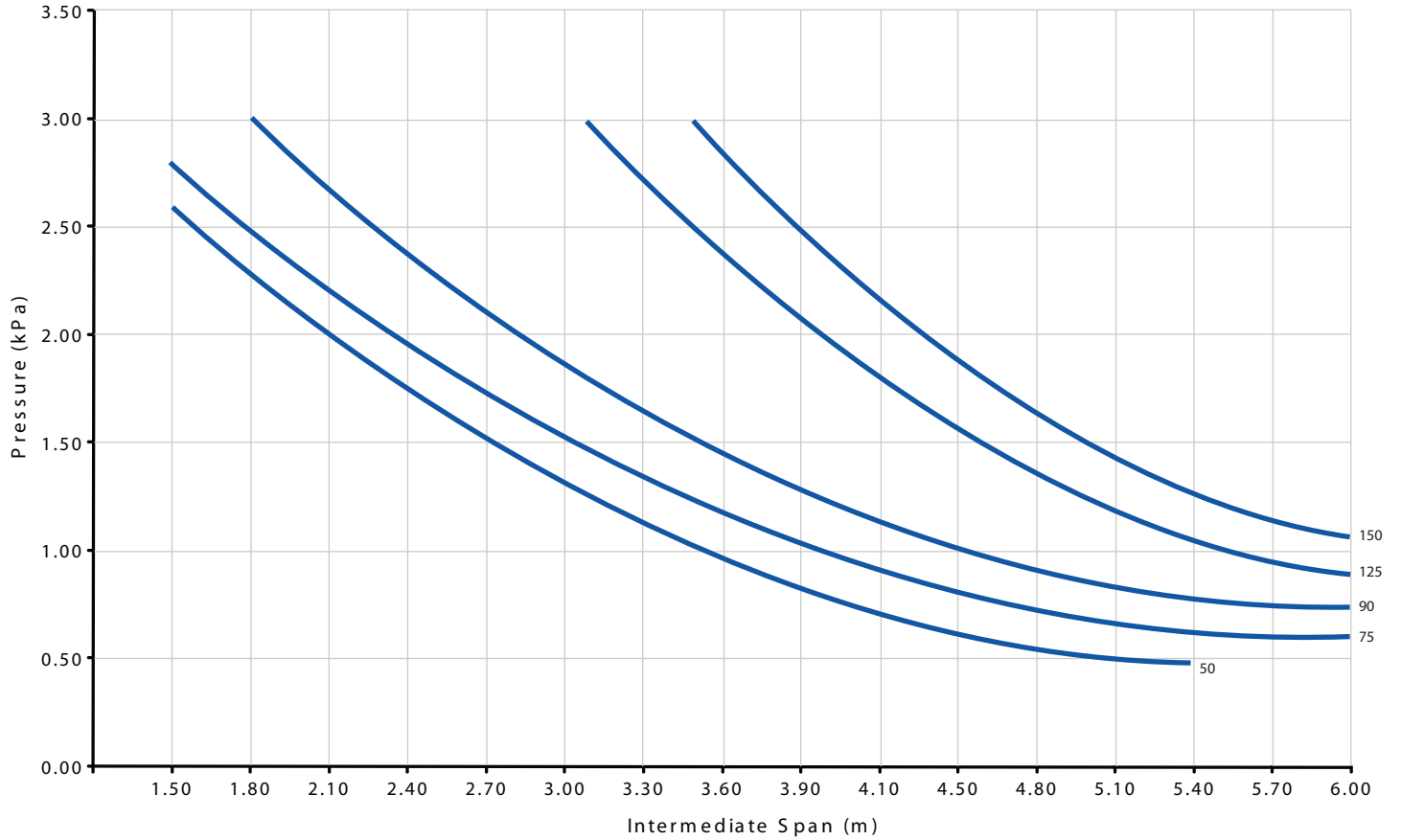
Profile Finish: Ribbed

Product Properties

Width: 1000mm

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

www.metalcraftpanels.co.nz

ThermoSpan EPS

Metalcraft
Insulated Panel Systems
Ph: (09) 2620267
Fax: (09) 2620268
Issue Date June 2009

Thermospan EPS UDL

1. Pressures are maximum permissible values with a safety factor of 1.80 on the ultimate mean failure mode

2. Where required, Ultimate Limit State Pressure values are obtained by multiplying table values by 1.8 (Safety Factor) and 0.9 (Material Factor).

3. The maximum permissible pull out load on a rib fixing is 1.8kN.

4. The spans are for single spans. The spans in multi-span cases are no greater than for the single span case.

5. The maximum overhang is 0.25 times the maximum span for the given conditions, provided this value does not exceed 600mm for 50mm ThermoSpan, 1000mm for 75mm ThermoSpan and 1200mm for 90mm Thermospan.