

Product Description

Equideck® EPS-FR insulated roofing panel system provides a flat and standing-seam like roof profile made from COLORBOND® steel, a pre-painted ceiling underside and high performance insulated core in an all-in-one roofing panel. Equideck® is made using Australian-made COLORBOND® steel for durability and delivers a long-spanning and thermally efficient roof.

Panel Properties							
Panel 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
Thermal Performance (SL foam) at 23°C							
Total 'R' Value m ² K/W	1.40	2.00	2.60	3.20	3.90	5.10	6.30

Span Table

NON-CYCLONIC REGION A&B (ROOF APPLICATIONS ONLY)

SL Grade EPS-FR Core / 0.6mm Steel Skins.

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

Single Span, wind pressure acting outwards							
Span (mm)	Panel Thickness (mm)						
	50	75	100	125	150	200	250
1500	3.49	5.19	6.89	8.59	10.29	12.12	12.12
2700	1.97	2.93	3.88	4.82	5.77	6.78	6.79
3900	1.06	1.67	2.20	2.73	3.25	4.31	4.74
5100	-	1.02	1.33	1.64	1.95	2.57	3.18
6300	-	-	0.91	1.11	1.32	1.72	2.13
7500	-	-	-	-	0.96	1.25	1.54
8700	-	-	-	-	-	0.96	1.18

Multi-span, wind pressure acting outwards							
Span (mm)	Panel Thickness (mm)						
	50	75	100	125	150	200	250
1500	2.82	4.18	4.91	4.91	4.91	4.92	4.92
2700	1.61	2.37	2.77	2.78	2.78	2.78	2.79
3900	1.14	1.67	1.95	1.96	1.96	1.96	1.97
5100	-	1.02	1.33	1.52	1.53	1.53	1.54
6300	-	-	0.91	1.11	1.26	1.26	1.27
7500	-	-	-	-	0.96	1.08	1.08
8700	-	-	-	-	-	0.95	0.95

Quick and Easy installation

With the Equideck® unique panel design, the roofing, insulation and ceiling are installed in one simple operation. Equideck® does not need traditional requirements for ceiling lining, reflective membrane or insulating wool and painting, keeping construction time and on-site trades to a minimum.



Colorbond®
Made for Australia

Core	EPS-FR (Expanded Polystyrene with fire retardant)
Width (cover mm)	1200
Thickness (mm)	50, 75, 100, 125, 150, 200, 250 (non-std options available)
Length	Up to 16m (check for availability)
Exterior Facing Skin	0.6mm G300 COLORBOND® steel
Interior Facing Skin	0.6mm G300 COLORBOND® steel
Exterior Facing Colour	Surfmist®, Paperbark®, Pale Eucalypt®
Standard Colours	
Interior Facing Colour	Permagard® White
Finishes	Plain, Ribbed, Satinline
Acoustic Properties	R _w 24
Recommended Pitch	3 degrees minimum
Fire Hazard Properties - AS1530.3 indices	
Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Index	2-3

AS/ISO 9705 - BCA Group Number (Spec C1.10a)

Equideck® EPS-FR steel skinned insulated building panels conform to the requirements of the BCA Specification C1.10a as either Group 2 or Group 1 depending on the thickness and construction detail.

Group 1

Panel up to 250mm thick with steel 'wall-wall' and 'wall-ceiling' angles fixed with steel rivets or screws at 1200mm centres is classified as Group 1.

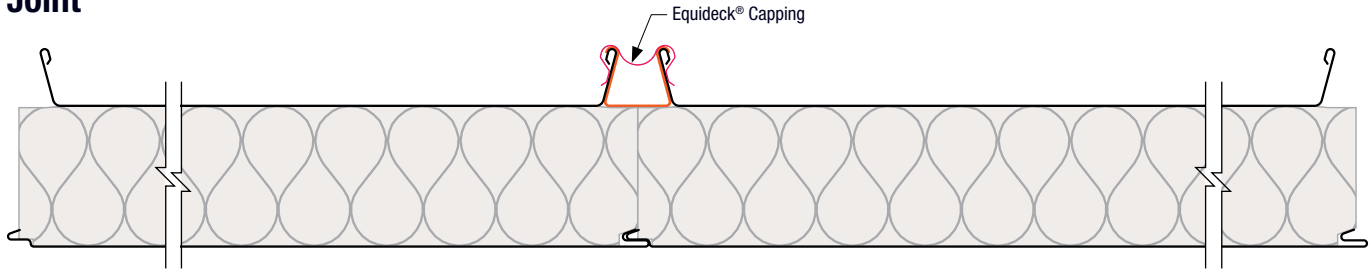
Group 2

Panel 150mm or less with an aluminium 'wall-wall' and 'wall-ceiling' angles fixed with aluminium rivets or screws at 300mm centres is classified as Group 2. Panel thicker than 150mm requires steel 'wall-wall' and 'wall-ceiling' angles fixed with steel rivets or screws at 300mm centres to be classified as Group 2.

NOTES:

- Extended span tables including wind pressure acting inwards are also available. Refer Bondor®.
- Fixing details refer Bondor®.
- Pressures specified are for wind gusts only per AS 1170.
- Deflection limit of span/150 applies, and in accordance with Serviceability Limit State criteria per AS1170.0 - TABLE C1.
- 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 (exceeding min. requirements of AS/NZS 1170.1:2002) on any one panel has been allowed for.
- Distributed live load of 0.25kPa (as per AS/NZS 1170.1:2001) has been allowed for. Bondor® tests comply with details outlined in AS 4040, AS 1562 and as 1170.
- Min. roof slope of 3 degree applies.

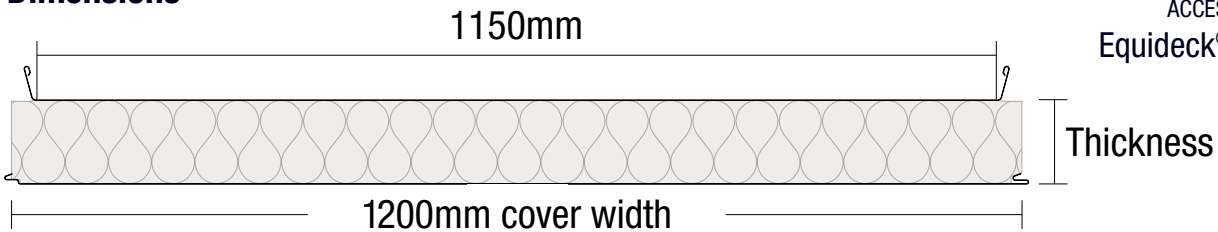
Joint



Profiles



Dimensions



Bondor® National Network

BRISBANE / EXPORT
103 Ingram Road
Acacia Ridge QLD 4110
T: 07 3323 8500
F: 07 3323 8501

MELBOURNE
329A St Albans Road
Sunshine VIC 3020
T: 03 8326 8000
F: 03 8326 8099

SYDNEY
49 – 53 Newton Road
Wetherill Park NSW 2164
T: 02 9609 0888
F: 02 9729 1114

PERTH
17 Gauge Circuit
Canning Vale WA 6155
T: 08 9256 0600
F: 08 9256 0620

ADELAIDE
70 – 72 Rundle Road
Salisbury South SA 5106
T: 08 8282 5000
F: 08 8282 5099

LAUNCESTON
7 Connector Park Drive
Kings Meadows TAS 7249
T: 03 6335 8500
F: 03 6335 8544

To connect to your nearest Bondor® branch simply call 1300 300 099 or visit www.bondor.com.au

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