



EPS-FR

Technical Data Sheet

Version 53  
Current as of: 30/09/25

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
Typical Mass (kg/m²)	11.3	11.6	12.0	12.3	12.7	13.3	14.0
SL Grade Declared λ (W/m.K) at 23°C	0.042	0.042	0.042	0.042	0.042	0.042	0.042
SL Grade Declared R-value (m²K/W) at 23°C	1.20	1.80	2.40	3.00	3.60	4.85	6.05
SL Grade Total R-value (m²K/W) at 15°C (Winter)	1.40	2.03	2.65	3.27	3.90	5.15	6.40
SL Grade Total R-value (m²K/W) at 30°C (Summer)	1.38	1.98	2.57	3.17	3.76	4.95	6.13
Note: The Declared R-value is at 23°C in accordance with AS/NZS 4859.1:2018 & AS/NZS 4859.2:2018.							

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	.164	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.



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)
External Material	BlueScope® COLORBOND® Steel 0.6mm G300
External Finishes	Plain
Exterior Colour Options	Surfmist®
Internal Material	BlueScope® COLORBOND® Steel 0.6mm G300
Internal Finishes	Plain, Ribbed
Interior Colour Options	Surfmist®
Pitch	3 degrees minimum
Paint System	AS/NZS 2728 & AS 1397
Acoustic Properties	Rw 24 - 25 depending on thickness
Material Group Numbers	Group 1 & 2 <sup>a</sup>
Bushfire Attack Level	BAL-40 (All exposed core to be covered with flashing)
Fire Hazard Properties	AS/NZS 1530.3
Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Index	2-3
SMOGR <sub>RC</sub>	< 100

a. AS 5637.1 / AS ISO 9705 - BCA Group Number  
Equideck® EPS-FR steel skinned insulated building panels conform to the requirements of the BCA Specification as either Group 2 or Group 1 depending on panel thickness and construction details. Refer Bondor® for more information.

The technical information contained in this document cover a breadth of applications where Equideck® may be used, which may be outside the scope of our Codemark certificate. Data specific to CodeMark certification can be found on Equideck®'s CoC CM40195.

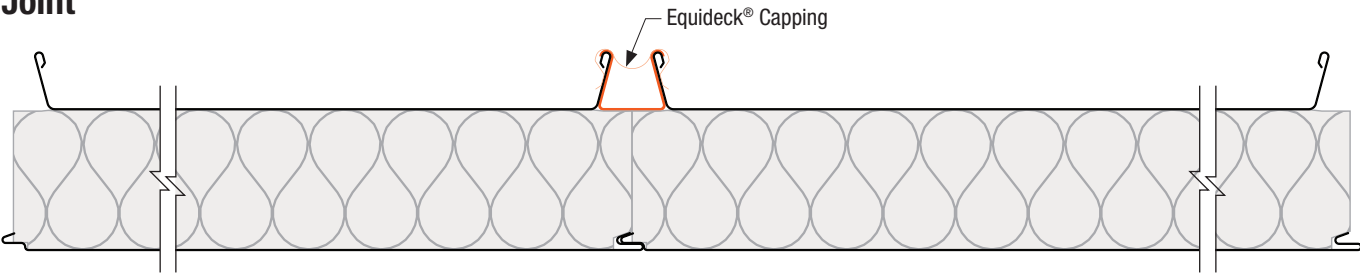
- SPAN TABLE NOTES:
- Extended span tables including wind pressure acting inwards are also available. Refer Bondor®.
  - Fixing details refer Bondor®.
  - Pressures specified are for wind gusts only per AS/NZS 1170.2.
  - Deflection limit of span/150 applies, and in accordance with Serviceability Limit State criteria per AS/NZS 1170.0 - 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 on any span has been allowed for.
  - Distributed live load of 0.25kPa (as per AS/NZS 1170.1) has been allowed for. Bondor® tests comply with details outlined in AS 4040.0, AS 4040.1, AS 4040.2, AS 4040.3, AS 1562.1 and AS/NZS 1170.1.
  - Min. roof slope of 3 degree applies.



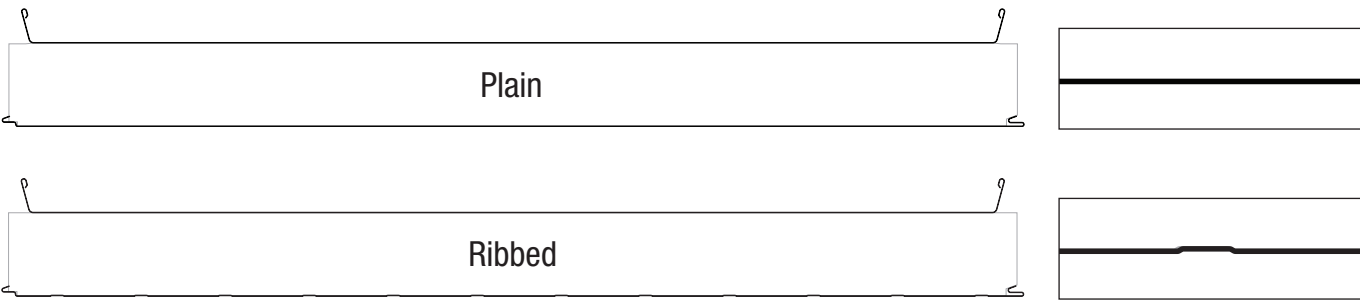
EPS-FR

Technical Data Sheet

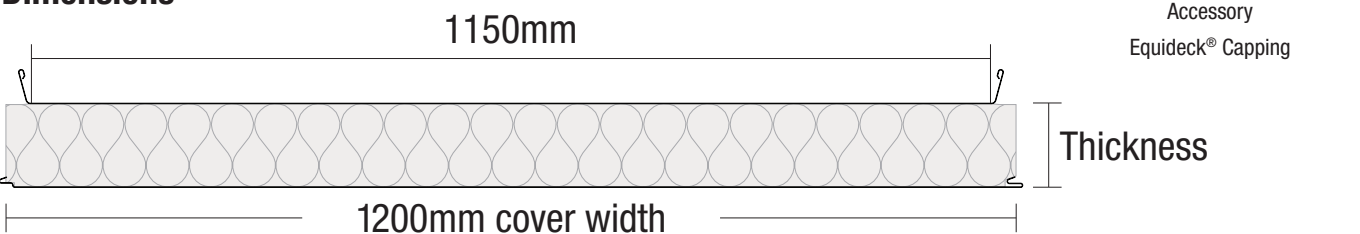
Joint



Profiles



Dimensions



Bondor® National Network		
BRISBANE / EXPORT 103 Ingram Road Acacia Ridge QLD 4110 T: 07 3323 8500 F: 07 3323 8501	MELBOURNE 6 Dunmore Drive Truganina VIC 3029 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 <a href="http://www.bondor.com.au">www.bondor.com.au</a>		

Metecno Pty Limited. ABN 44 096 402 934. The manufacturer reserves the right to change the specification without notice. Bondor®, BondorPanel®, CoolRoof®, DesignerWall®, EconoClad®, Equideck®, Equitilt®, Equitilt FlameGuard®, Equitilt FlameGuard® Plus, InsulLiving®, InsulRoof®, InsulWall®, LuxeWall®, Metecno®, MetecnoInspire®, MetecnoKasset®, MetecnoPanel®, MetecnoSpan®, MetecnoTherm®, SecureLap®, SolarSpan®, SolarLap® are trademarks of Metecno Pty Ltd. BlueScope, COLORBOND®, Intramax™ and colour names are trademarks of BlueScope Steel Limited. The colours shown in this publication have been reproduced to represent actual product colours as accurately as possible. However, given printing limitations, we recommend checking your chosen colour against an actual sample before placing orders. This advice is of a general nature only. Designers must provide for adequate structural performance and other Building Code requirements. This information is subject to change. Refer to Bondor® website for latest version. Consult Bondor® for your application. BON0126 Tech Data Sheet - Equideck v53 30/09/2025



Leaders in Thermal & Architectural Building Solutions