

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/m ²) | 11.3 | 11.6 | 12.0 | 12.3 | 12.7 | 13.3 | 14.0 |
| SL Grade Total R-value (m ² K/W) | 1.4 | 2.1 | 2.7 | 3.3 | 4.0 | 5.2 | 6.5 |
| Note: The above Total R-values are for insulation average temperature of 15°C. Contact us for other temperatures and different EPS core grades. | | | | | | | |

Span Table

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

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

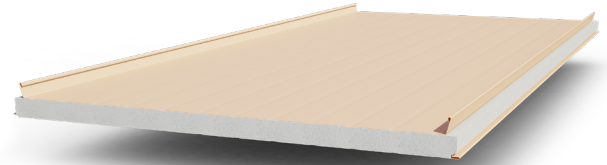
Maximum uniformly distributed ultimate wind load (kPa) for the given span:

| 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.



| | |
|-------------------------|---|
| 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, Ribbed, Satinline |
| Exterior Colour Options | Surfmist® |
| Internal Material | BlueScope® Colorbond® Steel 0.6mm G300 |
| Internal Finishes | Plain |
| Interior Colour Options | Surfmist® |
| Pitch | 3 degrees minimum |
| Paint System | AS/NZS 2728 & AS 1397 |
| Accreditations | |
| Acoustic Properties | Rw 24 - 25 depending on thickness |
| Material Group Numbers | C1.10 Group 1 & 2 |
| Bushfire Attack Level | BAL-40 |
| Fire hazard properties | AS/NZS 1530.3 |
| Ignitability Index | 0 |
| Spread of Flame Index | 0 |
| Heat Evolved Index | 0 |
| Smoke Index | 2-3 |

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

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 maximum 300mm centres is classified as Group 1.

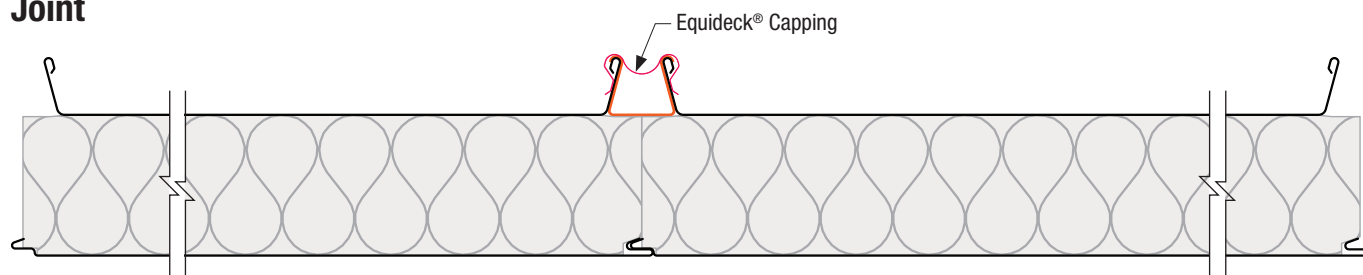
Group 2

Panel up to 150mm thick with 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.

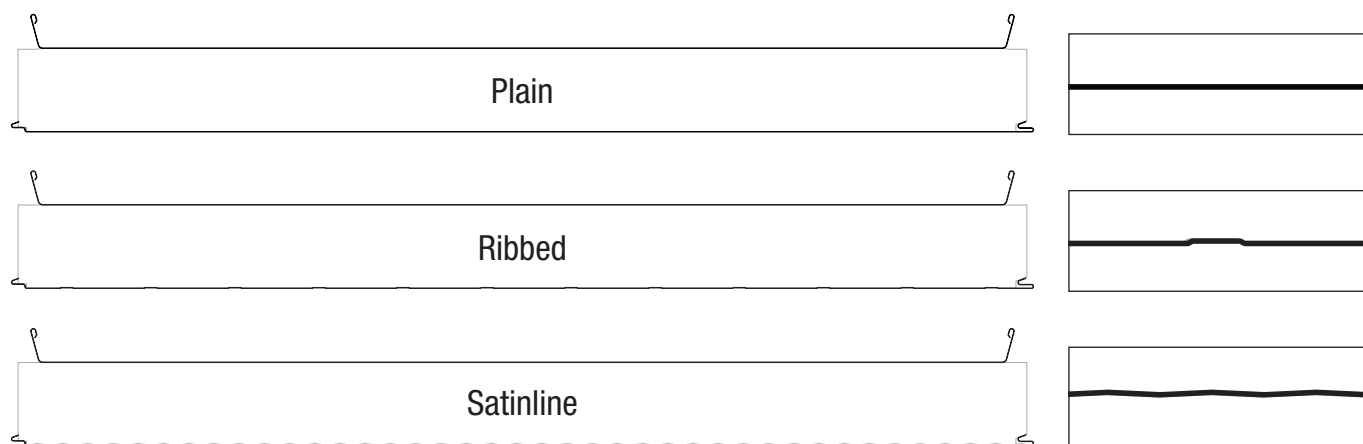
NOTES:

- 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/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 (exceeding min. requirements of AS/NZS 1170.1) on any one panel 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.

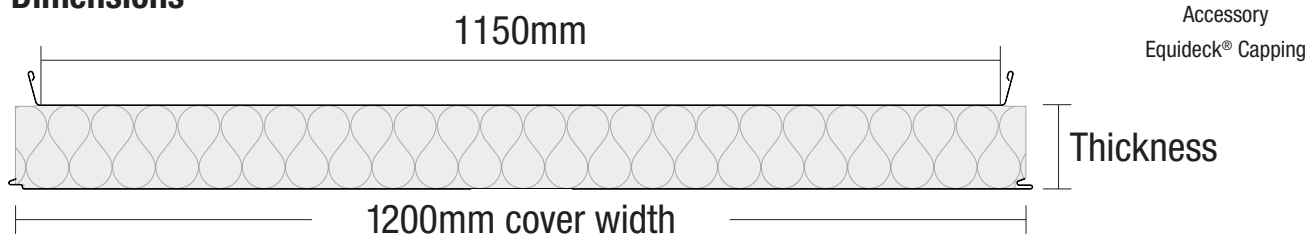
Joint



Profiles



Dimensions



Bondor® National Network

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