

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 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 (m ² K/W) at 23°C | 1.20 | 1.80 | 2.40 | 3.00 | 3.60 | 4.85 | 6.05 |
| SL Grade Total R-value (m ² K/W) at 15°C (Winter) | 1.40 | 2.03 | 2.65 | 3.27 | 3.90 | 5.15 | 6.40 |
| SL Grade Total R-value (m ² K/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 | 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 |
| Acoustic Properties | Rw 24 - 25 depending on thickness |
| Material Group Numbers | C1.10 Group 1 & 2 ^a |
| 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 _{hc} | < 100 |

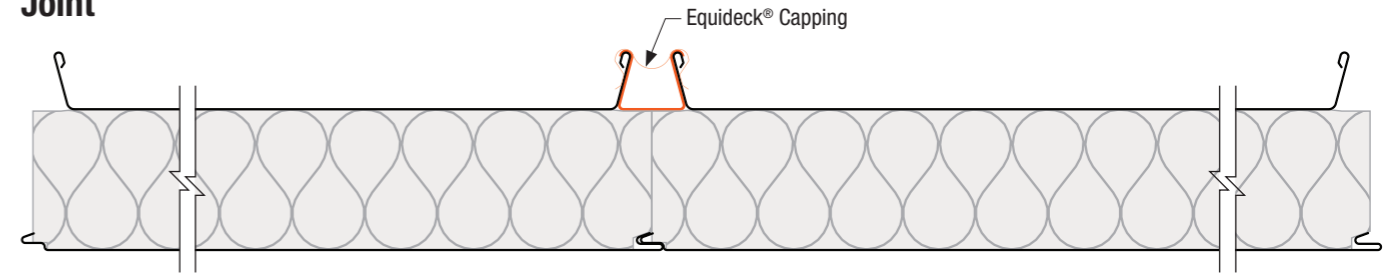
a. AS 5637.1 / AS ISO 9705 - BCA Group Number (Spec C1.10)
Equideck® EPS-FR steel skinned insulated building panels conform to the requirements of the BCA Specification C1.10a as either Group 2 or Group 1 depending on the thickness and construction detail.
Group 1
Panel up to 250mm thick with steel 'wall-wall' 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 aluminum 'wall-wall' and 'wall-ceiling' angles fixed with aluminum 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.

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.

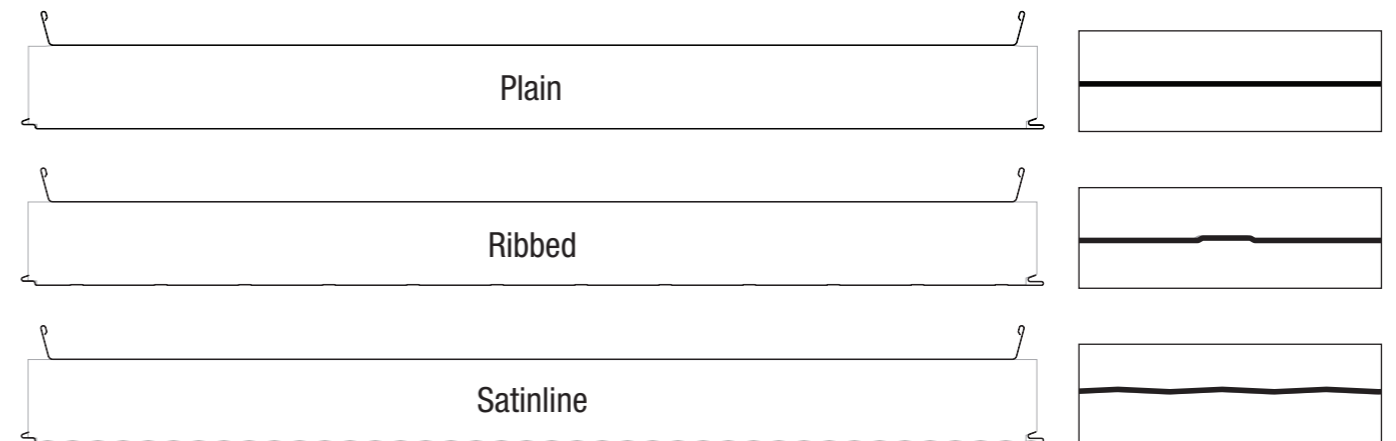
SPAN TABLE NOTES:

- 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.

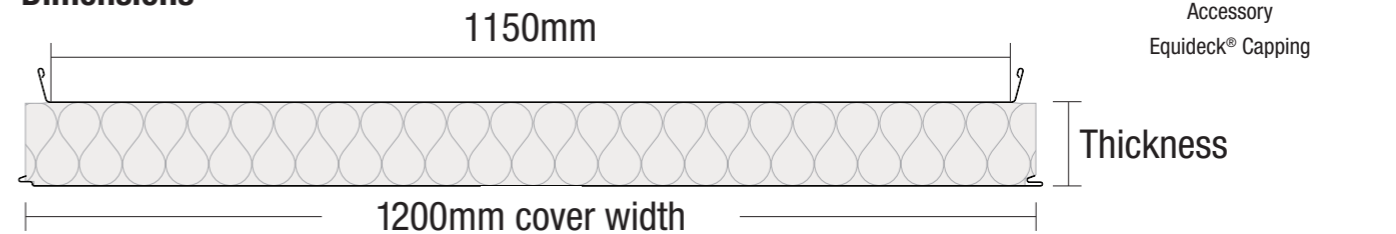
Joint



Profiles



Dimensions



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

Metecno Pty Limited. ABN 44 096 402 934. The manufacturer reserves the right to change the specification without notice. Bondor®, Equitilt®, BondorPanel®, FlameGuard®, FlameGuard® Plus, MetecnoPanel®, MetecnoInspire®, EconoClad®, MetecnoKasset®, MetecnoTherm®, InsuWall®, LuxeWall®, DesignerWall®, SolarSpan®, InsulRoof®, MetecnoSpan®, CoolRoof®, Equideck®, InsulLiving®, Metecno® are trademarks of Metecno Pty Limited. 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. *Conditions may apply. **Limited availability, minimum order quantity may be required. ^Check with NCC for permissible solar absorptance before selecting the exterior roof colour. Darker colours may be warranted for use in limited regions refer to www.bondor.com.au as this information is subject to change. Consult Bondor® for your application. BOND126 Tech Data Sheets - Equideck v50. 02/07/2021



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