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Introduction

The Bondor® Product Guide is an overview of the steel faced insulated wall & roof panel systems Bondor® supplies to the Australian building market. This guide provides basic product information such as panel physical properties, spans, acoustic, fire and thermal performance.

Where greater detail is required please refer to our technical data sheets, product guides, installation manuals and standard drawings. This information is readily available from the Bondor website www.bondor.com.au or by contacting a local Bondor® representative on 1300 300 099.

Why Bondor® are the Market Leaders

Bondor® is Australia’s only manufacturer, distributor and installer of ‘EPS-FR’ cored panel, Factory Mutual Approved ‘PIR’ cored panel and Factory Mutual Approved ‘MW’ cored panel. As such, we are in a unique position to be able to offer our customers impartial advice on the right insulated panel solution to meet their needs.

Support for Australian Standards & Local Manufacturing

Bondor® is an Australian manufacturer producing steel faced insulated panel systems in nine facilities around Australia. In over 65 years, we have manufactured in excess of 100 million square metres and installed in excess of 65 million square metres.

Bondor® products are physically tested and certified to conform to stringent Australian Standards and comply with the performance criteria when used in accordance with the National Construction Code.

Bondor® provide technical advice and support throughout the design and construction process. Our dedicated Technical Services team, local State representatives and construction supervisors are relied upon by our customers for the right advice based on Bondor’s 65 years of construction experience and product developed in Australia.

Global Experience

Bondor®, through its associated businesses, has links to the global Metecno Group. As such, we are able to access the latest trends in building product innovation and blend these with Australian experience and know how.
Still beautiful, after all these years.
Quality Assurance,
Proven Partnerships

BlueScope Steel
In business, your reputation is everything and minimizing risk makes sound business sense. Using only BlueScope® Steel for our panel skins ensures quality Australian steel products and transparent and reliable warranties.

Codemark
Australia’s CodeMark Certification is a third-party building product certification scheme that authorises the use of new and innovative products in order to facilitate compliance with the NCC. Bondor has a range of select wall and roof products that are CodeMark certified and cover multiple performance criteria to meet today’s building regulations.

Factory Mutual (FM)
Approved Products and Systems
Factory Mutual (FM) Global is one of the world’s leading insurance companies and its product testing is an accepted international standard of product quality and performance in the insurance industry. A range of Bondor products and installation details have been FM approved, providing building owners and insurers a level of confidence in their performance in the face of fire or natural hazards such as cyclones.

IPCA
Bondor is an active member of the Insulated Panel Council Australasia (IPCA), involved in developing the Industry Code of Practice for insulated panel construction. IPCA set out the principles and standards from design, manufacture, installation, maintenance and risk management of Insulated Panel in Australian buildings. The IPCA Code of Practice has been developed through industry leaders, external fire experts and the AFAC.

AIA
The Australian Institute of Architects
The Australian Institute of Architects (AIA) is the peak body for architectural professionalism in Australia, representing 12,000 members. The Institute works to improve our built environment by promoting quality, responsible and sustainable design.
As supporting corporate partner to the AIA, Bondor® is actively involved in industry forums, technical CPD presentations and specific product and installation advice to AIA members.

NATA
NATA accreditation provides a means of determining, formally recognising and promoting the competence of facilities to perform specific types of testing, inspection, calibration, and other related activities.
Build Better with Bondor®

Fast Build Times
Bondor’s insulated panels fit together easily, require few tools for preparation, are easy to handle and install, leading to fast build times.

Cost Effective
Bondor® wall and roof systems are able to achieve significantly long spans, reducing structural steel and support requirements in comparison to traditional cladding and roofing products.

Design Flexibility
Coupled with Bondor’s product performance is the design flexibility for specifiers to select from. We offer a wide array of exterior and interior finishes, modern colours with varying gloss levels, horizontal or vertical orientation to inspire creative and colourful building envelopes with Bondor’s high performing and functional building systems.

Low Maintenance & Hard Wearing
Bondor® panel systems use COLORBOND® steel for its high quality and consistent pre-finished look as well as ongoing low maintenance, tested and proven for use in the Australian environment.

Environmentally Friendly
Bondor’s wall and roof systems have a low impact on the environment with the use of zero ozone depleting insulation material and fully recyclable steel. Bondor® products deliver building owners and occupants with superior thermal performance and air leakage control, reducing the building envelope’s heating and cooling costs, energy consumption and carbon footprint.
Why use Bondor® building solutions?

**Bondor® Panel Systems Versus Traditional Systems**

Bondor® products conform to the Australian Standards through rigorous testing and independent certification to ensure compliance requirements are met across various building application performance criteria as prescribed in the National Construction Code.

- Bondor® products meet Part J (NCC Vol. 1) by providing roofing, insulation and ceiling in one product, eliminating the need for unsightly and labour intensive wire mesh, bulk insulation and spacer battens.
- Insulated panels do not compress, crumble or take up moisture like other insulation types. This avoids the loss of thermal barrier effectiveness and efficiency over time, which effects traditional systems.
- Wall and roof panels lock together, forming an airtight seal that significantly reduces air leakage and improves energy efficiency, therefore saving on heating and cooling costs.
- Significantly longer spanning capability means a reduction in structural steel.
- Up to 50% quicker installation means faster end user occupancy and earlier cash flow generation, with weeks saved from building schedules.
- Ease of installation means less labour is required to install Bondor® insulated panel systems.
- Insulated panels eliminate thermal transfer and bridging.
- Savings in structural steel, mesh and labour means the project is completed much quicker to conventional methods.

**Slower Traditional Methods**

**Conventional Roofing / Walling Methods**

Conventional commercial roofing and walling systems are labour intensive with multiple steps, subsequent increased costs and safety concerns.

- Painstakingly labour intensive wire
- Insulation rolls are “man-handled”
- Many spacer battens secured
- Roof sheet is then tacked in place
- Poor thermal performance
- Labour & material intensive
### Summary of Physical Properties

<table>
<thead>
<tr>
<th>Product</th>
<th>Core</th>
<th>Cover Width mm</th>
<th>Thickness mm</th>
<th>Total R-Value m²K/W</th>
<th>Weight kg/m²</th>
<th>Max Length</th>
<th>Max Span At 1kPa</th>
<th>Acoustic Rw value</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>MetecnoInspire® PIR</td>
<td>1100</td>
<td>50-100</td>
<td></td>
<td>2.49-4.83</td>
<td>13.9-16.0</td>
<td>16m</td>
<td>5.3m</td>
<td>26</td>
<td>Architectural, Conceal Fix</td>
</tr>
<tr>
<td>Equitilt®</td>
<td>1200</td>
<td>50-250</td>
<td></td>
<td>1.41-6.41</td>
<td>12-14.9</td>
<td>16m</td>
<td>8.7m</td>
<td>24-25</td>
<td>Architectural, Conceal &amp; Standard Fix</td>
</tr>
<tr>
<td>Equitilt® FlameGuard® MW</td>
<td>1200**</td>
<td>50-150</td>
<td></td>
<td>1.58-4.41</td>
<td>15.6 - 25.6</td>
<td>11m</td>
<td>6.3m</td>
<td>28-30</td>
<td>Non-Combustible, FRL, FM Approved</td>
</tr>
<tr>
<td>MetecnoPanel® PIR</td>
<td>1100**</td>
<td>50-200</td>
<td></td>
<td>2.49-9.49</td>
<td>12-17.4</td>
<td>25m</td>
<td>8.1m</td>
<td>25-27</td>
<td>High Thermal Performance, IPCA Compliant, FM Approved</td>
</tr>
<tr>
<td>BondorPanel® EPS-FR</td>
<td>1200</td>
<td>50-250</td>
<td></td>
<td>1.41-6.41</td>
<td>11.3-14</td>
<td>16m</td>
<td>8.9m</td>
<td>24-25</td>
<td>Proven Performance, Group 1, IPCA Compliant</td>
</tr>
<tr>
<td>InsulWall® EPS-FR</td>
<td>1200</td>
<td>90,140</td>
<td></td>
<td>2.41-3.66</td>
<td>11.8-12.5</td>
<td>16m</td>
<td>8.9m</td>
<td>24-25</td>
<td>Structural Wall System, CodeMark Certified</td>
</tr>
<tr>
<td>LuxeWall® EPS-FR</td>
<td>1200</td>
<td>50, 75</td>
<td></td>
<td>1.89-2.53</td>
<td>11.3-11.6</td>
<td>6.5m</td>
<td>1.2m</td>
<td>35-40</td>
<td>Luxury Wall System, CodeMark Certified</td>
</tr>
<tr>
<td>MetecnoSpan® Rib PIR</td>
<td>1000</td>
<td>40-100</td>
<td></td>
<td>2.10-4.94</td>
<td>10.7-13.2</td>
<td>up to 25m**</td>
<td>6.9m</td>
<td>24-25</td>
<td>Low Pitch Rib Roof, Long Spans, FM Approved</td>
</tr>
<tr>
<td>SolarSpan® Rib PIR</td>
<td>1000</td>
<td>50-200</td>
<td></td>
<td>1.40-5.15</td>
<td>10.6-12.7</td>
<td>up to 24m**</td>
<td>9.0m</td>
<td>24-25</td>
<td>Low Pitch Rib Roof, Long Spans, Local Avail</td>
</tr>
<tr>
<td>Insulspan® Rib Corro</td>
<td>1000</td>
<td>50-200</td>
<td></td>
<td>1.61-5.35</td>
<td>11.6-13.7</td>
<td>up to 12m**</td>
<td>9.0m</td>
<td>23-24</td>
<td>Corro Profile, Long Spans</td>
</tr>
<tr>
<td>Equideck® Plat PIR</td>
<td>1200</td>
<td>50-250</td>
<td></td>
<td>1.40-6.40</td>
<td>11.3-14.0</td>
<td>16m</td>
<td>8.1m</td>
<td>24-25</td>
<td>Wide Flat Tray, Thermal Performance</td>
</tr>
<tr>
<td>EconoClad® Rib PIR</td>
<td>1000</td>
<td>25-100</td>
<td></td>
<td>1.50-5.06</td>
<td>5.6-8.7</td>
<td>16m</td>
<td>2.4m</td>
<td>23</td>
<td>Fallback/Embossed PVC Rib Roof</td>
</tr>
</tbody>
</table>

Max spans shown represent thickest panel option for multi-spans.

*To achieve Group 1, the system must be installed per Bondor® instructions, otherwise Group 2 rating applies. Refer Bondor® Technical Data Sheets for more information.

**Refer to your local branch for alternative sizing as non-standard options available.

### Summary of Fire Properties

<table>
<thead>
<tr>
<th>Core</th>
<th>EPS-FR</th>
<th>PIR</th>
<th>MW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group Number</td>
<td>1 &amp; 2</td>
<td>2</td>
<td>1 &amp; 2</td>
</tr>
<tr>
<td>AS 1530.3 Spread of Flame Index</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AS 1530.3 Smoke Developed Index</td>
<td>2-3</td>
<td>1-4</td>
<td>3</td>
</tr>
<tr>
<td>FM Approved 4880 &amp; 4881 (No Height Restriction)</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>FM Approved 4471</td>
<td>√</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Rated to AS 1530.4</td>
<td>-/60/60</td>
<td>-/90/90</td>
<td>-/180/180</td>
</tr>
<tr>
<td>Non-combustible AS 1530.1</td>
<td>√</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BAL Rating</td>
<td>BAL 40</td>
<td>BAL 40 &amp; BAL-FZ</td>
<td>BAL-40 &amp; BAL-FZ</td>
</tr>
<tr>
<td>IPCA Code of Practice Compliant</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
</tbody>
</table>

Note: This summary is intended for information purposes, for full product specifications refer to product data sheets. Before specifying a specific product ensure a full understanding of project requirements is taken into account and that full assessment of the performance and the suitability of the relevant Bondor® product is made. Bondor® does not warrant that any of its products are suitable for all applications and does not accept responsibility for product selection decisions based on the above information provided.

### Summary of Environmental Properties

<table>
<thead>
<tr>
<th>Criteria</th>
<th>EPS-FR</th>
<th>PIR</th>
<th>MW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zero ozone depleting insulant</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>Re-usable</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>Recyclable Steel</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>VOC</td>
<td>Low</td>
<td>Low</td>
<td>Low</td>
</tr>
<tr>
<td>Low Air Leakage</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>Consistent Insulation</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>Does not rot, settle and is vermin proof</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
</tbody>
</table>
Bondor's 3 Distinct Core Options

Bondor's unique position enables us to provide unbiased advice across a wide range of roof and wall products. We offer the three globally recognised core options (EPS-FR, MW & PIR).

Bondor operates in every State with 9 manufacturing facilities across Australia. We continue to invest in Australian manufacturing, research and development and quality control.

Selecting high performance and conforming building materials is made easier for specifiers, builders and building occupants with Bondor's range of steel faced insulated panel products and its non-combustible or fire retardant core options.

**EPS-FR**
*Expanded Polystyrene with Fire Retardant*
Is manufactured with a fire retardant raw material. The EPS-FR will melt when in contact with a flame, shrinking away from the flame and will self-extinguish when removed from the source.

**PIR**
*Fire-Retardant Polyisocyanurate*
(PIR) is a thermoset high strength foam, which will char when exposed to flame.

**MW**
*Mineral Wool*
(MW) is molten rock which has been spun into a wool-like fibre and bound with resin and it does not burn when exposed to flames.
Insulated Walling

Bondor® insulated walling systems combine high thermal efficiency and fire performance with a wide selection of attractive surface profiles and vibrant COLORBOND® colours, that inspire creative and sustainable designs for Australian building envelopes.
MetecnoInspire® is an insulated architectural facade system that offers architects and designers an inspiring palette of colours, attractive surface profiles and excellent thermal properties. MetecnoInspire® also offers an innovative concealed fix system making it an ideal solution for Inspired facade or walling designs.

Core: PIR (Fire-retardant Polyisocyanurate)

- **Width (cover mm):** 1100
- **Thickness (mm):** 50, 60, 80, 100
- **Length:** Up to 16m (check for availability)
- **External Material:** BlueScope® Steel 0.5mm, 0.6mm G300
- **External Finishes:** Single V Rib, V Rib, Double V Rib, Micro V Rib, Satinline

**Exterior Colour Options**

- **Internal Material:** BlueScope® Steel 0.5mm, 0.6mm G300
- **Internal Finishes:** Plain

**Interiors Colour Options**
- COLORBOND® Intramax™

- **Paint System:** AS/NZS 2728 & AS 1397
- **Bushfire Attack Level:** BAL-40 (all exposed core to be covered with flashing)
- **FM Approval:** 4880, 4881
- **Fire hazard properties:**
  - **Group Number:** 2
  - **Ignitability Index:** 0
  - **Spread of Flame Index:** 0
  - **Heat Evolved Index:** 0
  - **Smoke Index:** 4
  - **Environmental:** Zero Ozone Depleting Potential (ODP)
  - **SMOGRA<:** <100
- **Acoustic Properties:** Rw 26 depending on thickness

**Panel Properties**

<table>
<thead>
<tr>
<th>Panel Thickness (mm)</th>
<th>50</th>
<th>60</th>
<th>80</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical Mass (kg/m²)</td>
<td>13.9</td>
<td>14.3</td>
<td>15.1</td>
<td>16.0</td>
</tr>
<tr>
<td>based on 0.6/0.5mm skins</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total R-value (m²K/W) @15°C</td>
<td>2.49</td>
<td>2.96</td>
<td>3.89</td>
<td>4.83</td>
</tr>
</tbody>
</table>

Note: Contact us for other temperatures.

The technical information contained in this document cover a breadth of applications where MetecnoInspire® may be used, which may be outside the scope of our CodeMark certificate. Data specific can be found on CodeMark certification.
Equitilt® is an architectural walling panel system installed in a vertical or horizontal orientation that combines functionality with creative expression. Equitilt® is offered in a variety of metallic or standard COLORBOND® colours that can be mixed with surface profiles to deliver a stunning finish to a building’s exterior and interior.

<table>
<thead>
<tr>
<th>Core</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Core EPS-FR</td>
<td>(Expanded Polystyrene with fire retardant)</td>
</tr>
<tr>
<td>Width (cover mm)</td>
<td>1200, 900 (non-std)</td>
</tr>
<tr>
<td>Thickness (mm)</td>
<td>50, 75, 100, 150, 200, 250; non-std options available</td>
</tr>
<tr>
<td>Length</td>
<td>Up to 16m (check for availability)</td>
</tr>
<tr>
<td>External Material</td>
<td>0.6mm, 0.7mm G300 COLORBOND® steel</td>
</tr>
<tr>
<td>External Finishes</td>
<td>Plain, Ribbed, Satinline, Shadowline Series 600/1200</td>
</tr>
<tr>
<td>Internal Material</td>
<td>0.6mm, 0.7mm G300 COLORBOND® steel</td>
</tr>
<tr>
<td>Internal Finishes</td>
<td>Plain, Ribbed, Satinline, Shadowline Series 600/1200</td>
</tr>
<tr>
<td>Paint System</td>
<td>AS/NZS 2728 &amp; AS 1397</td>
</tr>
<tr>
<td>Acoustic Properties</td>
<td>Rw 24 - 25 depending on thickness</td>
</tr>
<tr>
<td>Material Group Numbers</td>
<td>C1.10 Group 1 &amp; 2</td>
</tr>
<tr>
<td>Bushfire Attack Level</td>
<td>BAL-40 (all exposed core to be covered with flashing)</td>
</tr>
<tr>
<td>Fire hazard properties</td>
<td>AS/NZS 1530.3</td>
</tr>
<tr>
<td>Ignitability Index</td>
<td>0</td>
</tr>
<tr>
<td>Spread of Flame Index</td>
<td>0</td>
</tr>
<tr>
<td>Heat Evolved Index</td>
<td>0</td>
</tr>
<tr>
<td>Smoke Index</td>
<td>2-3</td>
</tr>
<tr>
<td>SMOGRAc</td>
<td>&lt;100</td>
</tr>
<tr>
<td>Panel Thickness (mm)</td>
<td>50, 75, 100, 125, 150, 200, 250</td>
</tr>
<tr>
<td>Typical Mass (kg/m²)</td>
<td>12.0, 12.4, 12.8, 13.2, 13.5, 14.2, 14.9</td>
</tr>
<tr>
<td>SL Grade Total R-value (m²K/W) @ 15°C</td>
<td>1.41, 2.04, 2.66, 3.28, 3.91, 5.16, 6.41</td>
</tr>
</tbody>
</table>

Note: Contact us for other temperatures and different EPS-FR core grades.

The technical information contained in this document cover a breadth of applications where Equitilt® may be used, which may be outside the scope of our CodeMark certificate. Data specific can be found on CodeMark certification.
Equitilt® Flameguard®

Equitilt® FlameGuard® is a non-combustible architectural walling panel system manufactured with a mineral wool fibre core material. Equitilt® FlameGuard® is FM Approved to FM 4880 No Height Restriction. Equitilt® FlameGuard® Plus is FM Approved to FM 4880 & FM 4881 No Height Restriction. These panels are recommended to be used where improved fire performance is required for insurance purposes in walling applications.

<table>
<thead>
<tr>
<th>Core</th>
<th>MW (Mineral Wool)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width (mm)</td>
<td>1200, 1140**, 900** (**Minimum order required for non-standard widths.)</td>
</tr>
<tr>
<td>Thickness (mm)</td>
<td>FlameGuard®: 50, 75</td>
</tr>
<tr>
<td></td>
<td>FlameGuard® Plus: 100, 150</td>
</tr>
<tr>
<td>Length</td>
<td>Up to 11m (check for availability)</td>
</tr>
<tr>
<td>External Material</td>
<td>0.6mm, 0.7mm G300 COLORBOND® steel</td>
</tr>
<tr>
<td>External Skin</td>
<td>COLORBOND® steel</td>
</tr>
<tr>
<td>External Finishes</td>
<td>Plain, Ribbed, Satinline, Shadowline Series 600/1200</td>
</tr>
<tr>
<td>Internal Material</td>
<td>0.6mm, 0.7mm G300 COLORBOND® steel</td>
</tr>
<tr>
<td>Internal Skin</td>
<td>COLORBOND® steel</td>
</tr>
<tr>
<td>Internal Finishes</td>
<td>Plain, Ribbed, Satline, Shadowline Series 600/1200</td>
</tr>
<tr>
<td>Interior Colour Options</td>
<td>COLORBOND® Intramax™</td>
</tr>
<tr>
<td>Paint System</td>
<td>AS/NZS 2728 &amp; AS 1397</td>
</tr>
<tr>
<td>Acoustic Properties</td>
<td>Rw 28 - 30 depending on thickness</td>
</tr>
<tr>
<td>Material Group Numbers</td>
<td>C1.10 Group 1</td>
</tr>
<tr>
<td>Bushfire Attack Level</td>
<td>FlameGuard®: BAL-40</td>
</tr>
<tr>
<td></td>
<td>FlameGuard® Plus: BAL-FZ</td>
</tr>
<tr>
<td></td>
<td>(all exposed core to be covered with flashing)</td>
</tr>
<tr>
<td>FM Approval</td>
<td>FlameGuard®: 4880</td>
</tr>
<tr>
<td></td>
<td>FlameGuard® Plus: 4880 &amp; 4881</td>
</tr>
<tr>
<td>Environmental</td>
<td>Zero Ozone Depleting Potential (ODP)</td>
</tr>
<tr>
<td>Combustibility</td>
<td>AS 1530.1 Non-combustible</td>
</tr>
<tr>
<td>Fire hazard properties</td>
<td>AS/NZS 1530.3</td>
</tr>
<tr>
<td>Ignitability Index</td>
<td>0</td>
</tr>
<tr>
<td>Spread of Flame Index</td>
<td>0</td>
</tr>
<tr>
<td>Heat Evolved Index</td>
<td>0</td>
</tr>
<tr>
<td>Smoke Index</td>
<td>3</td>
</tr>
<tr>
<td>SMOGRA:</td>
<td>&lt;100</td>
</tr>
<tr>
<td>Panel Thickness (mm)</td>
<td>FlameGuard®</td>
</tr>
<tr>
<td>Typical Mass (kg/m²)</td>
<td>50</td>
</tr>
<tr>
<td>based on 0.6/0.6mm skins</td>
<td></td>
</tr>
<tr>
<td>Total R-value (m²K/W)</td>
<td>@15°C</td>
</tr>
<tr>
<td>Note: Contact us for other temperatures.</td>
<td></td>
</tr>
<tr>
<td>Max. Lengths for Standard Supply</td>
<td>Max Panel Length (m)</td>
</tr>
</tbody>
</table>

The technical information contained in this document cover a breadth of applications where Equitilt Flameguard® may be used, which may be outside the scope of our CodeMark certificate. Data specific can be found on CodeMark certification.
BondorPanel® is a versatile and high performing insulated wall and ceiling panel used in controlled environments such as cold storage, food preparation areas and clean rooms, but extends its use to transportable offices, wall partitions and many other applications.

**Core**
EPS-FR (Expanded Polystyrene with fire retardant)

**Width (cover mm)**
1200

**Thickness (mm)**
50, 75, 100, 125, 150, 200, 250

**Length**
Up to 16m (check for availability)

**External Material**
BlueScope COLORBOND® Steel 0.6mm G300 CRP Grade

**External Finishes**
Plain, Ribbed, Satinline

**Exterior Colour Options**
COLORBOND® Intramax™ or other standard & non-standard colours

**Internal Material**
BlueScope COLORBOND® Steel 0.6mm G300 CRP Grade

**Internal Finishes**
Plain

**Interior Colour Options**
COLORBOND® Intramax™

**Paint System**
AS/NZS 2728 & AS 1397

**Acoustic Properties**
Rw 24 - 25 depending on thickness

**Material Group Numbers**
C1.10 Group 1 & 2

**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

**SMOGRA**
<100

**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 Total R-value (m²K/W) @ 6°C**
1.45, 2.10, 2.74, 3.38, 4.03, 5.31, 6.60

**SL Grade Total R-value (m²K/W) @ 15°C**
1.41, 2.04, 2.66, 3.28, 3.91, 5.16, 6.41

*Note: Contact us for Declared Values, other temperatures and different EPS core grades.*

The technical information contained in this document cover a breadth of applications where BondorPanel® may be used, which may be outside the scope of our CodeMark certificate. Data specific can be found on CodeMark certification.
MetecnoPanel® is a durable, insulated wall and ceiling panel with a PIR (Polyisocyanurate) fire-retardant core and high performing thermal properties. MetecnoPanel® is FM Approved to FM 4880 & 4881. No Height Restriction and is recommended where improved fire performance is required for insurance purposes. MetecnoPanel® is available in a variety of panel surface profiles and COLORBOND® colours to create an inspiring interior and exterior finish.

<table>
<thead>
<tr>
<th>Core</th>
<th>PIR (Fire-retardant Polyisocyanurate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width (mm)</td>
<td>1100, 1200** (**Minimum order required for non-standard widths)</td>
</tr>
<tr>
<td>Thickness (mm)</td>
<td>50, 75, 100, 125, 150, 200</td>
</tr>
<tr>
<td>Length</td>
<td>Up to 25m (check for availability)</td>
</tr>
<tr>
<td>External Material</td>
<td>BlueScope Steel 0.5mm, 0.6mm G300; Stainless Steel 0.55mm</td>
</tr>
<tr>
<td>External Finishes</td>
<td>Plain, Fineline, Satinline, Ribbed</td>
</tr>
<tr>
<td>Exterior Colour Options</td>
<td>Surfmist®, Other colours available subject to minimum order quantities.</td>
</tr>
<tr>
<td>Internal Material</td>
<td>BlueScope® Steel 0.5mm, 0.6mm G300; Stainless Steel 0.55mm</td>
</tr>
<tr>
<td>Internal Finishes</td>
<td>Plain, Fineline, Satinline, Ribbed</td>
</tr>
<tr>
<td>Interior Colour Options</td>
<td>COLORBOND® Intramax™</td>
</tr>
<tr>
<td>Paint System</td>
<td>AS/NZS 2728 &amp; AS 1397</td>
</tr>
<tr>
<td>Acoustic Properties</td>
<td>Rw 25 - 27 depending on thickness</td>
</tr>
<tr>
<td>Material Group Numbers</td>
<td>C1.10 Group 2</td>
</tr>
<tr>
<td>Bushfire Attack Level</td>
<td>BAL-40 200mm - BAL-FZ (all exposed core to be covered with flashing)</td>
</tr>
<tr>
<td>FM Approval</td>
<td>4880, 4881</td>
</tr>
<tr>
<td>Environmental</td>
<td>Zero Ozone Depleting Potential (ODP)</td>
</tr>
<tr>
<td>Fire hazard properties</td>
<td>AS/NZS 1530.3</td>
</tr>
<tr>
<td>Ignitability Index</td>
<td>0</td>
</tr>
<tr>
<td>Spread of Flame Index</td>
<td>0</td>
</tr>
<tr>
<td>Heat Evolved Index</td>
<td>0</td>
</tr>
<tr>
<td>Smoke Index</td>
<td>4</td>
</tr>
<tr>
<td>SMOGRA_e,</td>
<td>&lt;100</td>
</tr>
<tr>
<td>Panel Thickness (mm)</td>
<td>50 75 100 125 150 200</td>
</tr>
<tr>
<td>Typical Mass (kg/m²) based on 0.5/0.6mm skins</td>
<td>12.0 13.0 14.0 14.7 15.5 17.4</td>
</tr>
<tr>
<td>Total R-value (m²K/W) @ 6°C</td>
<td>2.61 3.84 5.06 6.29 7.51 9.96</td>
</tr>
<tr>
<td>Total R-value (m²K/W) @ 15°C</td>
<td>2.49 3.66 4.83 5.99 7.16 9.49</td>
</tr>
</tbody>
</table>

Note: Contact us for Declared Values and other temperatures

The technical information contained in this document cover a breadth of applications where MetecnoPanel® may be used, which may be outside the scope of our CodeMark certificate. Data specific can be found on CodeMark certification.
InsulWall® is a lightweight and structural insulated panel made from EPS-FR that is lined with a unique BlueScope® primed steel ready for third party coating systems such as a Dulux® Wash & Wear painted interiors and Dulux® Acratex® acrylic-render coated exteriors. InsulWall® is purpose designed to suit commercial applications as well as the residential housing, modular and renovation market. InsulWall® is available in thicknesses to suit 90mm interior walls and 140mm exterior walls and is available for use with the NCC CodeMark accredited InsulLiving® building system.

### Core
- **EPS-FR** (Expanded Polystyrene with fire retardant)

### Width (cover mm)
- 1200

### Thickness (mm)
- 90, 140

### Length
- Up to 16m (check for availability)

### External Material
- 0.6mm G300 prime coated BlueScope® steel

### External Finishes
- Plain

### Exterior Colour Options

### Internal Material
- 0.6mm G300 prime coated BlueScope® steel

### Internal Finishes
- Plain

### Interior Colour Options

### Paint System
- AS/NZS 2728 & AS 1397

### Acoustic Properties
- Rw 24 - 25 depending on thickness

### 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
- SMOGRA <100

### Panel Thickness (mm)
- 90, 140

### Mass (kg/m²)
- 11.8, 12.5

### SL Grade Total R-value (m²K/W) @ 15°C
- 2.41, 3.66

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The technical information contained in this document cover a breadth of applications where InsulWall® may be used, which may be outside the scope of our CodeMark certificate. Data specific can be found on CodeMark certification.
LuxeWall® is a modern, lightweight residential wall cladding solution developed with a concealed fixing system to fasten to timber and metal stud wall framing. The system uses architectural steel faced insulated wall cladding conceal fixed in a vertical orientation. LuxeWall® is available in standard wall thicknesses of 50mm & 75mm

Core: EPS-FR with CorePlus®
Width (cover mm): 1200, 900
Thickness (mm): 50, 75 (other thicknesses available on request)
Length: Up to 6.5m (check for availability)
External Material: BlueScope® COLORBOND® Steel 0.6mm G300
External Finishes: Plain, VJ
Exterior Colour Options: Metallic Cosmic®, Metallic Astro®, Matt Basalt®, Matt Surfmist®

Internal Material: BlueScope® COLORBOND® Steel 0.6mm G300 with HygienePlus®
Internal Finishes: Plain
Interior Colour Options: Surfmist®
Paint System: AS/NZS 2728 & AS 1397
Acoustic Properties: Rw 35, 40* depending on construction
Material Group Numbers: C1.10 Group 1
Bushfire Attack Level: BAL-40 (all exposed core to be covered with flashing)
Combustibility: AS 1530.1 Non-combustible (MW)
Ignitability Index: 0
Spread of Flame Index: 0
Heat Evolved Index: 0
Smoke Index: 2-3
Smoke Index: <100
Total R-Value (m²K/W)

<table>
<thead>
<tr>
<th>Framing</th>
<th>Timber Framing</th>
<th>Steel Framing</th>
</tr>
</thead>
<tbody>
<tr>
<td>LuxeWall® panel thickness</td>
<td>50mm</td>
<td>75mm</td>
</tr>
<tr>
<td>System 1</td>
<td>1.8</td>
<td>1.9</td>
</tr>
<tr>
<td>System 2</td>
<td>2.9</td>
<td>3.1</td>
</tr>
<tr>
<td>System 3</td>
<td>3.3</td>
<td>3.6</td>
</tr>
</tbody>
</table>

Notes:
- System 1: LuxeWall® SL Grade & 10mm Plasterboard
- System 2: LuxeWall® SL Grade with R1.5 Batts & 10mm Plasterboard
- System 3: LuxeWall® SL Grade with R2.0 Batts & 10mm Plasterboard
- For 13mm Plasterboard add 0.02 to above Total R-value.
- For 16mm Plasterboard add 0.04 to above Total R-value.
- Mean temperatures: Summer: 30°C, Winter: 15°C

LuxeWall® FlameGuard® is a fire rated architectural boundary wall system tested and approved for both FRL 60/60/60 and FRL 90/90/90 for use in commercial and residential applications. LuxeWall® FlameGuard® is a lightweight, conceal fixed and architecturally finished high performance wall product that simplifies installation on zero boundary properties where site access is difficult.

Core: MW (Mineral Wool)
Width (cover mm): 1200, 900
Thickness (mm): 50, 75 (other thicknesses available on request)
Length: Up to 6.5m (check for availability)
External Material: BlueScope® COLORBOND® Steel 0.6mm G300
External Finishes: Plain (other options available)
Exterior Colour Options: Standard, Matt & Metallic COLORBOND® options available

Internal Material: BlueScope® COLORBOND® Steel 0.6mm G300 with HygienePlus®
Internal Finishes: Plain
Interior Colour Options: Surfmist®
Paint System: AS/NZS 2728 & AS 1397
Acoustic Properties: Rw 40, 45* depending on construction
Material Group Numbers: C1.10 Group 1
Bushfire Attack Level: BAL-FZ (all exposed core to be covered with flashing)
Combustibility: AS 1530.1 Non-combustible
Ignitability Index: 0
Spread of Flame Index: 0
Heat Evolved Index: 0
Smoke Index: 3
Smoke Index: <100
Fire Resistance: AS 1530.4 FRL 90/90/90
Total R-Value (m²K/W)

<table>
<thead>
<tr>
<th>Framing</th>
<th>Timber Framing</th>
<th>Steel Framing</th>
</tr>
</thead>
<tbody>
<tr>
<td>LuxeWall® FlameGuard® panel thickness</td>
<td>50mm</td>
<td>75mm</td>
</tr>
<tr>
<td>System 1</td>
<td>1.8</td>
<td>1.9</td>
</tr>
<tr>
<td>System 2</td>
<td>2.9</td>
<td>3.1</td>
</tr>
<tr>
<td>System 3</td>
<td>3.3</td>
<td>3.6</td>
</tr>
</tbody>
</table>

Notes:
- System 1: LuxeWall® FlameGuard® & 10mm Plasterboard
- System 2: LuxeWall® FlameGuard® with R1.5 Batts & 10mm Plasterboard
- System 3: LuxeWall® FlameGuard® with R2.0 Batts & 10mm Plasterboard
- For 13mm Plasterboard add 0.02 to above Total R-value.
- For 16mm Plasterboard add 0.04 to above Total R-value.
- Mean temperatures: Summer: 30°C, Winter: 15°C

The technical information contained in this document cover a breadth of applications where LuxeWall® FlameGuard® may be used, which may be outside the scope of our CodeMark certificate. Data specific can be found on CodeMark certification.
**DesignerWall®**

DesignerWall® is a modular acoustic barrier and feature fence system for retail, commercial and residential projects available in either a Pre-finished range or a 'Texture Ready' coating.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module Column Centre Spacing (mm)</td>
<td>2400, 3000</td>
</tr>
<tr>
<td>Module Panel Width (mm)</td>
<td>2300, 2900. (Non-standard available depending on request.)</td>
</tr>
<tr>
<td>Module Height (mm)</td>
<td>900-3000 (depending on module height &amp; column engineering)</td>
</tr>
<tr>
<td>Module Panel Height (mm)</td>
<td>900, 1200</td>
</tr>
<tr>
<td>Module Panel Thickness (mm)</td>
<td>75</td>
</tr>
<tr>
<td>Column Type</td>
<td>Allegro Series. (Other engineered column options available.)</td>
</tr>
<tr>
<td>Column Size (mm)</td>
<td>Width: 140mm  Depth: 105mm</td>
</tr>
<tr>
<td>Column Material</td>
<td>Aluminium</td>
</tr>
<tr>
<td>Module Panel Exterior Material</td>
<td>BlueScope® COLORBOND Steel or 'Render-Ready' pre-primed steel</td>
</tr>
<tr>
<td>Module Panel Exterior Colour Options</td>
<td>Woodland Grey®, Shale Grey™, (other colours available subject to minimum order quantities and availability)</td>
</tr>
<tr>
<td>Bushfire Attack Level</td>
<td>BAL-40 (all exposed core to be covered with flashing)</td>
</tr>
<tr>
<td>Acoustic Properties</td>
<td>Rw 25 (see acoustic report for dB reduction values)</td>
</tr>
<tr>
<td>Wind Regions</td>
<td>A &amp; B</td>
</tr>
</tbody>
</table>
Insulated Roofing
Bondor® insulated roof systems outperform traditional roofing materials capable of longer spans, higher thermal performance, faster installation and is approved for use in cyclonic regions.
MetecnoSpan®

MetecnoSpan® is a roofing system that combines the roofing, insulation and ceiling in one roof panel with a fire-retardant polyisocyanurate (PIR) core. MetecnoSpan® is FM Approved (4880, 4881 & 4471) and is recommended where FM Approved products is required. MetecnoSpan® is capable of long spans and high thermal performance and is used mainly in commercial and industrial roofing applications.

**Core**
- PIR (Fire-retardant Polyisocyanurate)

**Width (cover mm)**
- 1000

**Thickness (mm)**
- 40, 60, 80, 100

**Length**
- Up to 25m (check for availability)

**External Material**
- 0.42mm COLORBOND® steel

**External Finishes**
- Trapezoidal Profile

**Exterior Colour Options**
- Surfmist® and Zincalume™. Other colours available subject to minimum order quantities.

**Internal Material**
- 0.5mm G300 COLORBOND® steel

**Internal Finishes**
- Plain, Fineline, Satinline, V Rib

**Interior Colour Options**
- Surfmist®

**Pitch**
- 2 degree minimum

**Paint System**
- AS/NZS 2728 & AS 1397

**Acoustic Properties**
- Rw 24 - 25 depending on thickness

**Material Group Numbers**
- C1.10 Group 2

**Bushfire Attack Level**
- BAL-40 (all exposed core to be covered with flashing)

**FM Approval**
- 4471, 4880, 4881

**Environmental**
- Zero Ozone Depleting Potential (ODP)

**Fire hazard properties**
- AS/NZS 1530.3

**Ignitability Index**
- 0

**Spread of Flame Index**
- 0

**Heat Evolved Index**
- 0

**Smoke Index**
- 1

**SMOGRA<sub>ex</sub>**
- <100

**Panel Thickness (mm)**
- 40, 60, 80, 100

**Typical Mass (kg/m²)**
- 10.7, 11.6, 12.7, 13.2

**Total R-value (m²K/W)**
- 2.10, 3.05, 4.00, 4.94

**Note:** Contact us for other temperatures.

The technical information contained in this document cover a breadth of applications where MetecnoSpan® may be used, which may be outside the scope of our CodeMark certificate. Data specific can be found on CodeMark certification.
SolarSpan® is a long-spanning commercial and residential insulated roof panel system that combines roofing, EPS-FR insulation and a pre-painted ceiling in one durable, functional and attractive roof panel. This all-in-one roofing solution is manufactured using Australian-made COLORBOND® steel for durability and is installed in a variety of applications including educational facilities, multi-residential housing and retail facilities and is tested for use in cyclonic regions.

<table>
<thead>
<tr>
<th>Core</th>
<th>EPS-FR (Expanded Polystyrene with fire retardant)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width (cover mm)</td>
<td>1000</td>
</tr>
<tr>
<td>Thickness (mm)</td>
<td>50, 75, 100, 125, 150, 175, 200</td>
</tr>
<tr>
<td>Length</td>
<td>Up to 24m (check for availability)</td>
</tr>
<tr>
<td>External Material</td>
<td>0.42mm G550 COLORBOND® pre-painted steel</td>
</tr>
<tr>
<td>External Finishes</td>
<td>High-Rib Trapezoidal Profile</td>
</tr>
<tr>
<td>Exterior Colour Options</td>
<td>Classic Cream™, Surfmist®, Paperbark®, Shale Grey™, Dune®, Pale Eucalypt®, Manor Red™, Basalt™, Woodland Grey™, Woodland Grey™**</td>
</tr>
<tr>
<td>Internal Material</td>
<td>0.6mm G300 COLORBOND® pre-painted steel</td>
</tr>
<tr>
<td>Internal Finishes</td>
<td>Plain, VJ</td>
</tr>
<tr>
<td>Interior Colour Options</td>
<td>Classic Cream™, Surfmist®</td>
</tr>
<tr>
<td>Pitch</td>
<td>2 degree minimum, refer Bondor®</td>
</tr>
<tr>
<td>Paint System</td>
<td>AS/NZS 2728 &amp; AS 1397</td>
</tr>
<tr>
<td>Acoustic Properties</td>
<td>Rw 24 - 25 depending on thickness</td>
</tr>
<tr>
<td>Material Group Numbers</td>
<td>C1,10 Group 1 &amp; 2</td>
</tr>
<tr>
<td>Bushfire Attack Level</td>
<td>BAL-40 (all exposed core to be covered with flashing)</td>
</tr>
<tr>
<td>Fire hazard properties</td>
<td>AS/NZS 1530.3</td>
</tr>
<tr>
<td>Ignitability Index</td>
<td>0</td>
</tr>
<tr>
<td>Spread of Flame Index</td>
<td>0</td>
</tr>
<tr>
<td>Heat Evolved Index</td>
<td>0</td>
</tr>
<tr>
<td>Smoke Index</td>
<td>2-3</td>
</tr>
<tr>
<td>SMOGRAv</td>
<td>&lt;100</td>
</tr>
<tr>
<td>Panel Thickness (mm)</td>
<td>50  75  100  125  150  175  200</td>
</tr>
<tr>
<td>Typical Mass (kg/m²)</td>
<td>10.6  10.9  11.3  11.6  12.0  12.3  12.7</td>
</tr>
<tr>
<td>SL Grade Total R-value (m²K/W) @ 15°C</td>
<td>1.40  2.03  2.65  3.27  3.90  4.52  5.15</td>
</tr>
</tbody>
</table>

Note: Contact us for Declared Values, other temperatures and different EPS-FR core grades.

The technical information contained in this document cover a breadth of applications where SolarSpan® may be used, which may be outside the scope of our CodeMark certificate. Data specific can be found on CodeMark certification.
InsulRoof® is a long-spanning insulated roof panel that features a corrugated roof profile and a pre-finished steel ceiling lining encased in Bondor’s new proprietary dual layered insulating core technology comprising of EPS-FR and PUR. This all-in-one roofing solution is manufactured using Australian-made BlueScope® COLORBOND® steel for durability and is ideal for a variety of applications including housing, multi-residential, commercial and industrial roofing applications where a corrugated roof profile is desired. SupaCore® is a proprietary and world-first insulating core technology developed by Bondor® to deliver dual layers of high performance insulation and bonding strength.

### Core
- **EPS-FR** (Expanded Polystyrene with fire retardant)
- **PUR** (Polyurethane Foam)

### Dimensions
- **Width (cover mm)**: 1000
- **Thickness (mm)**: 50, 75, 100, 125, 150, 200
- **Length**: Up to 12m (check for availability)
- **External Material**: 0.42mm G550 COLORBOND® steel
- **External Finishes**: Corrugated
- **Exterior Colour Options**: Classic Cream™, Surfmist®, Paperbark®, Shale Grey™, Dune®, Pale Eucalypt®, Manor Red™, Basalt™, Woodland Grey™, Zincalume™
- **Internal Material**: 0.6mm G300 COLORBOND® steel
- **Internal Finishes**: Plain, VJ
- **Interior Colour Options**: Classic Cream™, Surfmist®

### Additional Properties
- **Pitch**: 5 degree minimum
- **Paint System**: AS/NZS 2728 & AS 1397
- **Acoustic Properties**: Rw 23 - 24 depending on thickness
- **Material Group Numbers**: C1.10 Group 1 & 2
- **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**: 1
- **SMOGRA™**: <100

### Panel Thickness (mm)
- **Panel Thickness (mm)**: 50, 75, 100, 125, 150, 200
- **Typical Mass (kg/m²)**: 11.6, 11.9, 12.3, 12.6, 13.0, 13.7
- **SL Grade Total R-value (m²K/W @ 15°C)**: 1.61, 2.23, 2.86, 3.48, 4.10, 5.35

### Notes
- Contact us for declared values, other temperatures and different EPS-FR core grade.

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

**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
- **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
- **SMOGRAVe**: <100
- **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 Total R-value (m²K/W) @ 15°C**: 1.40 2.03 2.65 3.27 3.90 5.15 6.40

Note: Contact us for declared values, other temperatures and different EPS core grades.

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 can be found on CodeMark certification.
EconoClad® is a high performing and low cost roofing or walling insulated panel suitable for industrial and commercial cladding. EconoClad® has a non-ozone depleting fire-retardant PIR core bonded between a hi-tensile COLORBOND® or Zincalume® steel roof and a silver/white/black, multi-layered foil/fibreglass/PVC flexible facings on the internal side. EconoClad® is a fast, economical and practical roof or wall cladding option.

<table>
<thead>
<tr>
<th>Core (Fire-retardant Polyisocyanurate)</th>
<th>PIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width (cover mm)</td>
<td>1000</td>
</tr>
<tr>
<td>Thickness (mm)</td>
<td>25, 40, 60, 80, 100</td>
</tr>
<tr>
<td>Length</td>
<td>Up to 16m (check for availability)</td>
</tr>
<tr>
<td>External Material</td>
<td>0.42mm COLORBOND steel</td>
</tr>
<tr>
<td>External Finishes</td>
<td>High-Rib Trapezoidal Cladding Profile</td>
</tr>
<tr>
<td>Exterior Colour Options</td>
<td>Surfmist® and Zincalume®. Other colours available subject to minimum order quantities.</td>
</tr>
<tr>
<td>Internal Material</td>
<td>Lightweight Thermal Foil, Fibreglass, PVCc</td>
</tr>
<tr>
<td>Internal Finishes</td>
<td>Foilback, Embossed PVCc</td>
</tr>
<tr>
<td>Interior Colour Options</td>
<td>Bright White, Silver, Black</td>
</tr>
<tr>
<td>Pitch</td>
<td>2 degree minimum</td>
</tr>
<tr>
<td>Paint System</td>
<td>AS/NZS 2728 &amp; AS 1397</td>
</tr>
<tr>
<td>Acoustic Properties</td>
<td>Rw 23</td>
</tr>
<tr>
<td>Material Group Numbers</td>
<td>C1.10 Group 2c</td>
</tr>
<tr>
<td>Bushfire Attack Level</td>
<td>BAL-40 (all exposed core to be covered with flashing)</td>
</tr>
<tr>
<td>FM Approval</td>
<td>4880c (b - When used as internal wall and ceiling EconoClad can achieve FM approval)</td>
</tr>
<tr>
<td>Environmental</td>
<td>Zero Ozone Depleting Potential (ODP)</td>
</tr>
<tr>
<td>Fire hazard propertiesc</td>
<td>AS/NZS 1530.3</td>
</tr>
<tr>
<td>Ignitability Index</td>
<td>0</td>
</tr>
<tr>
<td>Spread of Flame Index</td>
<td>0</td>
</tr>
<tr>
<td>Heat Evolved Index</td>
<td>0</td>
</tr>
<tr>
<td>Smoke Index</td>
<td>1</td>
</tr>
</tbody>
</table>

| Panel Thickness (mm)                  | 25 | 40 | 60 | 80 | 100 |
| Typical Mass (kg/m²)                  | 5.6| 6.3| 7.1| 7.9| 8.7 |
| Total R-value (m²K/W) @ 15°C           | 1.5| 2.22| 3.17| 4.12| 5.06|

Note: Contact us for other temperatures. c - For Fire Hazard Properties of EconoClad® with PVC internal facing, contact Metecno®.

The technical information contained in this document cover a breadth of applications where EconoClad® may be used, which may be outside the scope of our CodeMark certificate. Data specific can be found on CodeMark certification.
Finger Joint
Fixing Plate with thermal movement control
Sealing Strip
Low profile design
SecureLap® is a unique roof lap jointing system that changes the way low pitch long run insulated roofing is designed and installed in Australia. SecureLap® provides a solution to existing troublesome “sheet to sheet end-lap” and offers a real alternative to the more expensive “expansion joint” system which requires extra purlins and purlin cleat modifications.

The SecureLap® system is significantly easier to install than current lapping alternatives removing the need for sealant and butyl tape which is both messy and difficult to assure a secure seal. This patented and cutting edge technology is designed to provide the additional water ingress security while preserving the integrity of the existing roof warranty. SecureLap® is the only option for the ultimate in end lap protection.

**Advantages**

- Unique end-lap system purpose-made for low pitch & long monoslope roofing
- SecureLap® seal removes reliance on sealant or butyl tape
- Allows the turn-up and turn-down of roof pans for added water ingress security
- Designed to allow thermal expansion and contraction to suit Australian conditions
- Low profile design for visual roof continuity and uniform purlin height
- Significantly improves installation time and reduces labour costs
- CSIRO tested and conforms to Australian Standards AS/NZ 4046.9
- BlueScope Steel endorsed warranties

**Images**

- Top-Right: MetecnoSpan® shown with SecureLap® sealing strip applied.
- Middle-Right: MetecnoSpan® overlap shown with SecureLap® installed.
- Top-Left: MetecnoSpan® and SecureLap® shown fixed to commercial framing.
COLORBOND® Colour Range

Bondor® has access to the full range of COLORBOND® Standard, Metallic & Matt colours as well as custom colour options dependant on order quantities and project time frames. Speak with your local Bondor® branch for availability of stocked, standard COLORBOND® and custom colours to suit your project requirements.

COLORBOND® Standard

Classic Cream™  Surfmist™  Paperbank™  Evening Haze™  Shale Grey™  Dune™

Cove™  Windspray™  Pale Eucalypt™  Gully™  Mangrove™  Wallaby™

Jasper™  Manor Red™  Terrain™  Basalt™  Woodland Grey™  Monument™

Ironstone™  Cottage Green™  Deep Ocean™  Night Sky™

COLORBOND® Metallic

Galactic™  Cosmic™  Rhea™  Astro™  Aries™  Celestian™

COLORBOND® Matt

Matt Surfmist™  Matt Dune™  Matt Shale Grey™  Matt Basalt™  Matt Monument™

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.
Innovative Accessories & Systems

For over 65 years, Bondor® has led innovation in insulated roofing and walling products delivering a range of purpose-made accessories and building systems that meet not only the application performance needs but the local requirements of both the Australian Standards and National Construction Code (NCC).

The Australian building industry relies on Bondor’s local knowledge, experience and continuous innovation within insulated panel products to design compliant building systems that meet the harsh demands of the Australian environment.

Such innovation includes the patented and world-first SecureLap® end lap solution for metal insulated roofing which is designed to provide additional water ingress security while preserving the integrity of the existing roof warranty unlike solutions inherited from overseas which do not consider Australian weather conditions including higher rainfall intensity, wind conditions, UV and thermal exposure.

Preformed Corners

Bondor’s national fabrication footprint and capability enables local access to a range of prefabricated insulated wall sections and corners across our range of insulated wall products. Preformed corners offer a high level finish without the need for corner flashings. Your local Bondor® branch can assist with bespoke designs of preformed corners in both vertical and horizontal orientation.

Flashings & Trims

Bondor® has a range of wall and roof accessories for specific product use and applications developed over the last 65 years. Speak to our Bondor® branch regarding a range of flashing details, aluminium trims and capping systems to suit both application performance and aesthetic requirements.

Sun Hoods & Blades

Bondor® can assist with a range of architectural commercial shaded devices and structures including sunhoods and blades used on many commercial buildings. Bondor shaded structures are pre-finished, hard wearing and inherit the thermal and structural benefits of Bondor’s insulated panel range.