

Product Description

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.

Panel Properties		
Panel Thickness (mm)	90	140
Typical Mass (kg/m ²)	11.8	12.5
SL Grade Declared λ (W/m.K) at 23°C	0.042	0.042
SL Grade Declared R-value (m ² K/W) at 23°C	2.15	3.40
SL Grade Total R-value (m ² K/W) at 15°C (Winter)	2.41	3.66
SL Grade Total R-value (m ² K/W) at 30°C (Summer)	2.29	3.48

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 (WALL APPLICATIONS ONLY)

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

Maximum wall height / span (mm):	
Wind Class	Span (mm)
N2	5400
N3	4200
N4	3600

Span Table

CYCLONIC REGION A&B (WALL APPLICATIONS ONLY)

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

Maximum wall height / span (mm):	
Wind Class	Span (mm)
C1	3600
C2	3000



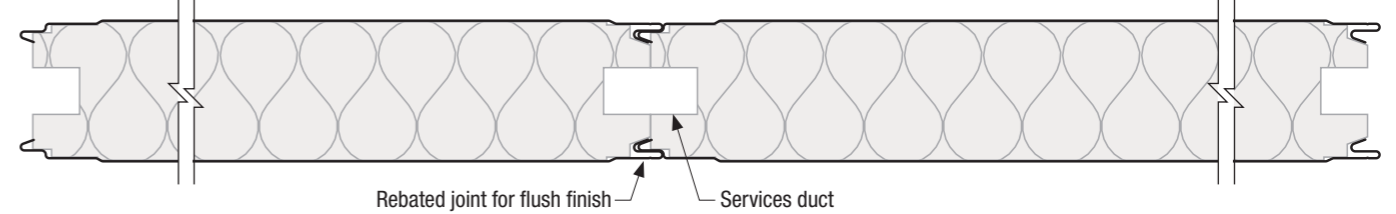
Core	EPS-FR (Expanded Polystyrene with fire retardant)
Width (cover mm)	1200
Thickness (mm)	90, 140
Length	Up to 16m (check for availability)
External Material	0.6mm G300 prime coated BlueScope® steel
External Finishes	Plain
Exterior Colour Options	External coating should strictly follow Dulux® DuSpec Specification. Dulux® Acratex® Coventry Coarse.
Internal Material	0.6mm G300 prime coated BlueScope® steel
Internal Finishes	Plain
Interior Colour Options	Internal coating should strictly follow Dulux® DuSpec Specification. Broad walls - Dulux® Wash & Wear 101 Adv L/G. Kitchens - Dulux® Wash & Wear Kitchen. Bathrooms - Dulux® Wash & Wear Bathroom L/G for wet areas
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
SMOGR _{RC}	< 100

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 to CodeMark certification can be found on InsulWall®'s CoC CM40033.

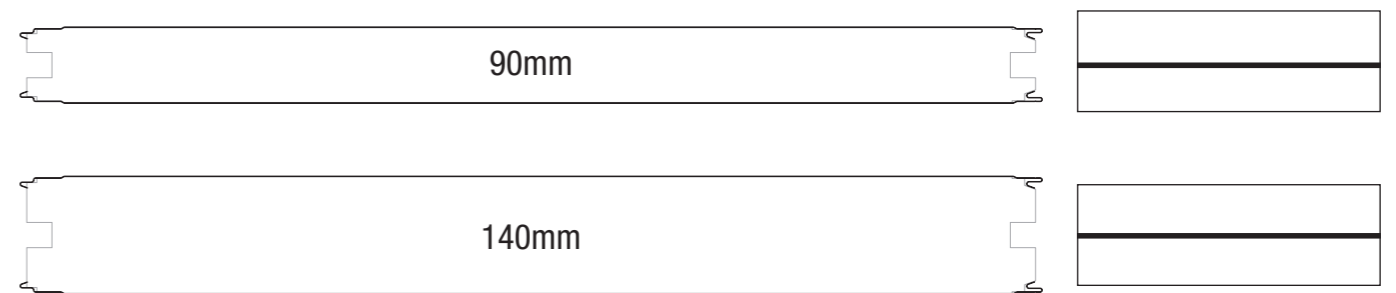
SPAN TABLE NOTES:

1. Wind speeds and coefficients based on AS 4055 - Wind Loads for Housing.
2. Serviceability deflection limit of span/150 has been allowed for.
3. Further information is available in the Technical Manual including: bracing capacity, axial load, support of cupboards and bracket loading.

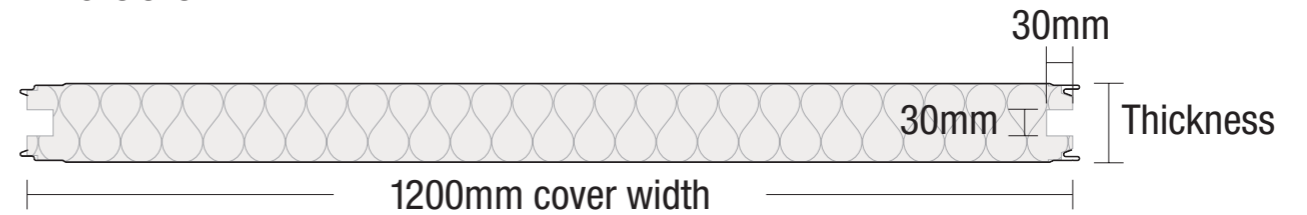
Joint



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 www.bondor.com.au

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