

Product Description

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 concealed fixed in a vertical orientation. LuxeWall® is available in standard wall thicknesses of 50mm & 75mm (Note: 90 to 200mm wall thicknesses are available via special order).

LuxeWall® (EPS) Thermal Performance		
Panel Thickness (mm)	50	75
SL Grade Total R-Value LuxeWall® Only (m²K/W)	1.8	2.4
SL Grade Total R-Value with LuxeWall® & R1.5 Batts (m²K/W)	3.1	3.7
SL Grade Total R-Value with LuxeWall® & R2.0 Batts (m²K/W)	3.6	4.2

Note: The above Total R-values are for insulation average temperature of 23°C. Contact us for other temperatures and different EPS-FR core grades.

LuxeWall® FlameGuard® Thermal Performance		
Panel Thickness (mm)	50	75
Total R-Value LuxeWall® FlameGuard® Only (m²K/W)	1.8	2.4
Total R-Value with LuxeWall® FlameGuard® & R1.5 Batts (m²K/W)	3.1	3.8
Total R-Value with LuxeWall® FlameGuard® & R2.0 Batts (m²K/W)	3.6	4.3

Note: The above Total R-values are for insulation average temperature of 23°C. Contact us for other temperatures.



Core	EPS-FR with CorePlus®, 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, VJ^
Exterior Colour Options	Metallic Cosmic®, Metallic Astro®, Matt Basalt®, Matt Surfemist®
Internal Material	BlueScope® Colorbond® Steel 0.6mm G300 with HygienePlus®
Internal Finishes	Plain
Interior Colour Options	Surfemist
Paint System	AS/NZS 2728 & AS 1397
Accreditations	Codemark Certificate Number CM40203
Acoustic Properties	Rw 35, 40 (EPS), 40, 45 (MW) *depending on construction
Material Group Numbers	C1.10 Group 1
Bushfire Attack Level	BAL-40
Combustibility	AS 1530.1 Non-combustible (MW)
Fire hazard properties	AS/NZS 1530.3
Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Index	2-3

NOTES:

- Batten spacing based on fixing strength and LuxeWall® span.
- Batten must be checked separately for spans.
- Wind speeds and coefficients based on AS 4055 - Wind Loads for Housing.
- Wall pressure coefficients based on following assumptions:
 - External Pressure Cpe = +0.7, -0.65
 - Internal Pressure - Building has no dominant openings and more than one permeable wall or is effectively sealed. Cpi = +0.2, -0.3
 - Local Pressure - kl = 2.0 for negative wall pressure within 1200mm of corners
 - Combination Factor Kc = 0.9
 - Wall away from corner - Cfig = +0.9, -0.765, Wall within 1200mm of corner Cfig = -1.35
- Serviceability deflection limit of span/150 has been allowed for.
- Top Hat Battens require 2 fixings per stud and LuxeWall® fixed at 300mm centres.
- M6 RoofZips to be used to fix battens into LuxeWall® modules.

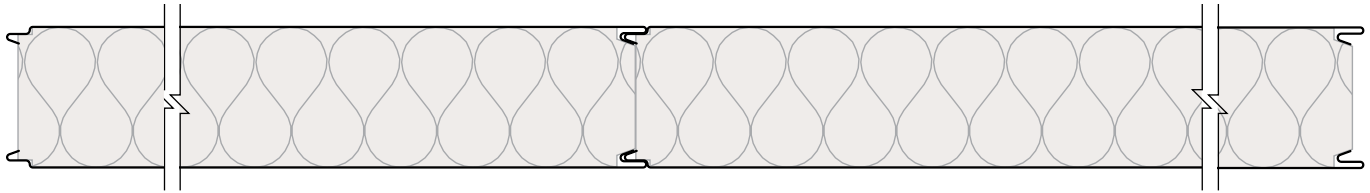
^ Available on request.

* Contact Bondor® for construction details required.

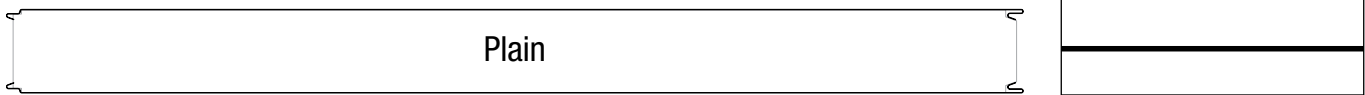
Span Table

Wind Classification	Ultimate Wind Pressure (kPa)		Number of Top Hats Battens per Panel									
			Wall Height (Panel length in vertical orientation) (mm)									
	Away from corners	Within 1200mm of corners	≤2400		≤2700		≤3000		≤3300		≤6500	
			Panel Location		Panel Location		Panel Location		Panel Location		Panel Location	
		Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner	
N1	+0.62, -0.53	-0.94	2	2	2	2	2	2	2	3	3	4
N2	+0.86, -0.74	-1.30	2	2	2	3	2	3	2	3	4	5
N3	+1.35, -1.16	-2.03	3	3	3	4	3	4	3	4	5	7
N4	+2.01, -1.72	-3.01	3	4	4	5	4	5	4	6	7	10

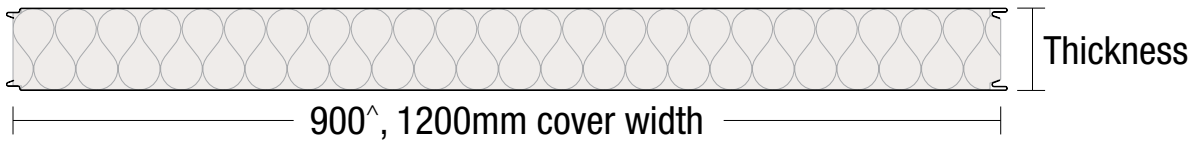
Joint



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