

### 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 Total R-Value (m²K/W)								
Framing	Timber Framing				Steel Framing			
LuxeWall® Panel Thickness	50mm		75mm		50mm		75mm	
	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter
System 1	1.8	1.9	2.4	2.5	1.7	1.8	2.3	2.5
System 2	2.9	3.1	3.5	3.7	2.8	3.0	3.4	3.6
System 3	3.3	3.6	3.9	4.2	3.1	3.4	3.8	4.1

**Notes:**

System 1: LuxeWall® SL Grade Only (m²K/W)  
 System 2: LuxeWall® SL Grade with R1.5 Batts (m²K/W)  
 System 3: LuxeWall® SL Grade with R2.0 Batts (m²K/W)

Calculations based on AS/NZS 4859 parts 1 & 2 2018  
 Mean temperatures: Summer: 30°C, Winter: 15°C



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 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
Acoustic Properties	Rw 35, 40 (EPS) *depending on construction
Material Group Numbers	C1.10 Group 1
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 <sub>RC</sub>	< 100
Ave. Specific Extinction Area	< 250m²/kg

^ Available on request.

\* Contact Bondor® for construction details required.

The technical information contained in this document cover a breadth of applications where LuxeWall® may be used, which may be outside the scope of our Codemark certificate. Data specific to CodeMark certification can be found on LuxeWall®'s CoC CM40203.

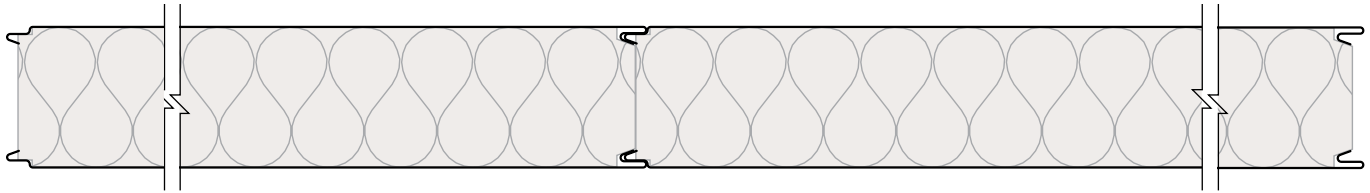
**SPAN TABLE NOTES:**

- 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 C<sub>pe</sub> = +0.7, -0.65
  - Internal Pressure - Building has no dominant openings and more than one permeable wall or is effectively sealed. C<sub>pi</sub> = +0.2, -0.3
  - Local Pressure - kl = 2.0 for negative wall pressure within 1200mm of corners
  - Combination Factor K<sub>c</sub> = 0.9
  - Wall away from corner - C<sub>fig</sub> = +0.9, -0.765, Wall within 1200mm of corner C<sub>fig</sub> = -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.

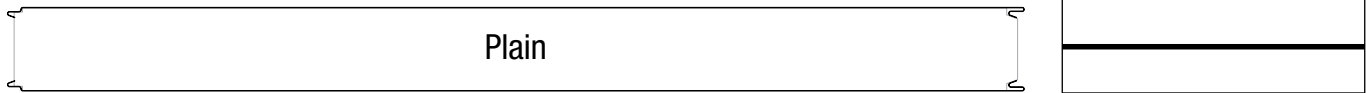
**Span Table**

Wind Classification	Ultimate Wind Pressure (kPa)		Number of Top Hats Battens per Panel									
	Away from corners	Within 1200mm of corners	Wall Height (Panel length in vertical orientation) (mm)									
			≤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

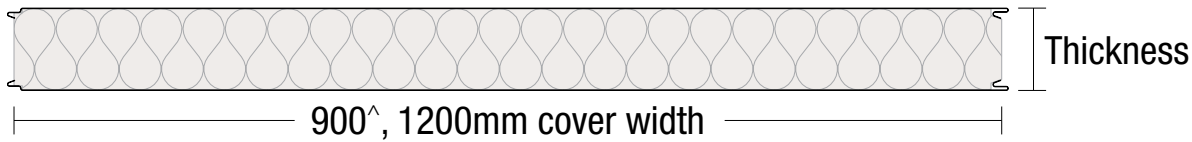
### Joint



### Profiles



### Dimensions



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