

SUMMARY

 WINTER R-VALUE
1.47 m²·K/W

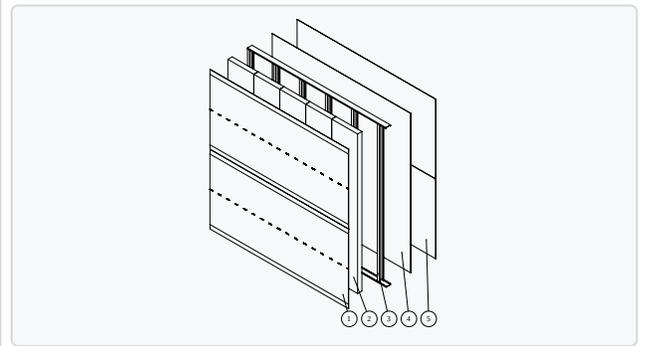
Total incl. bridging

 SUMMER R-VALUE
1.42 m²·K/W

Total incl. bridging

BRIDGING ASSUMPTIONS

Description	Assumption
Wall Height	≤ 2400 mm
Stud Centres	≥ 450 mm
Stud Width	≤ 32 mm
Noggin Centres	≥ 1200 mm

ASSEMBLY DIAGRAM

Materials

- 1 Plasterboard
- 2 90mm Glasswool R2.0
- 3 Steel Stud 32mm(W) x 1.15mm BMT
- 4 Thermal Break Sarking R0.20 (e0.05/e0.1)
- 5 Fibre Cement

THERMAL PATHWAYS
Pathway 1 (89.173%)

Layer	Thickness	Winter R	Summer R	eIn	eOut
Outdoor air-film	0 mm	0.04	0.04	0	0.9
Fibre Cement	6 mm	0.02	0.02		0.136
Thermal Break Sarking R0.20 (e0.05/e0.1)	9 mm	0.20	0.20	0.9	0.9
90mm Glasswool R2.0	90 mm	2.11	1.91	0.068	0.9
Plasterboard	10 mm	0.06	0.06	0.9	
Indoor air-film	0 mm	0.12	0.12	0.9	0
Total	115.00 mm	2.55	2.35		

Pathway 2 (10.827%)

Layer	Thickness	Winter R	Summer R	eIn	eOut
Outdoor air-film	0 mm	0.04	0.04	0	0.9
Fibre Cement	6 mm	0.02	0.02		0.136
Thermal Break Sarking R0.20 (e0.05/e0.1)	9 mm	0.20	0.20	0.9	0.9
Steel Stud 32mm(W) x 1.15mm BMT	90 mm	0.05	0.05	0.068	0.9
Plasterboard	10 mm	0.06	0.06	0.9	
Indoor air-film	0 mm	0.12	0.12	0.9	0
Total	115.00 mm	0.50	0.50		

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Disclaimer: This document presents thermal performance values calculated using the methods of AS/NZS 4859.2:2018, based entirely on the input data and modelling assumptions stated in this report. The results apply only to those stated assumptions and do not constitute certification, design advice, product performance claims, regulatory compliance assessment, or any other professional judgement. No warranty is given regarding the suitability, accuracy, or completeness of these values for any specific project or approval process. Independent verification by a qualified professional is required before relying on these results for design, specification, or compliance purposes.