

Thermal Performance Calculation

Date: 14/04/2016

Customer: Foilboard

Project Name:

Project Address:

Application: **WALLS** Option: 2

Reference: Cladded Wall - 70mm Frame

Winter or Summer Value: **Both - Summer & Winter**

Construction Profile	Thickness in mm	Comment	Summer Value	Winter Value
Outdoor Air		Vertical	0.04	0.04
Weatherboard (pine)	12	Generic	0.09	0.09
20mm Reflective Airspace		Unventilated	0.61	0.70
Foilboard® Green 15 (15mm)		Panel	0.41	0.41
70mm Reflective Airspace		Unventilated	0.71	0.76
Plaster	10	Generic	0.06	0.06
Indoor Air		Vertical	0.12	0.12
Foilboard® System TOTAL R Value (R_T):			2.03	2.17
Foilboard® Added Insulation R Value:			1.73	1.87
Foilboard® Calculation Notes				

This document is a statement of the Total Thermal Performance R-Value for the system detailed above. The total system R Value is a hand calculation only and is approximate. Many of the values come from sources tested to AS/NZS 4859.1:2002 -Amdt 1 and AS 1366.3 - 1992. Calculation is through the insulation path only, as required for minimum compliance requirements of the Building Code of Australia.

Calculation is based on the use of the Foilboard® Insulation Panel only. Under no circumstances can this calculation be used in conjunction with any alternative product as results will vary. Results are indicative for the conditions indicated above. This document is confidential and for the above mentioned recipient only, under no circumstances should this document be duplicated or manipulated.



Brad Russell
Technical Sales Consultant

	Summer	Winter
Indoor Temperature	24.0°C	18.0°C
Outdoor Temperature	36.0°C	12.0°C