

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing A.B.N 43 006 014 106 1st Floor, 191 Racecourse Road, Flemington, Victoria 3031 P.O Box 240, North Melbourne, Victoria 3051 Phone (03) 9371 2400

## **TEST REPORT**

Client :	Trafalgar Group	Test Number	:	22-001156
	26a Ferndell Street	Issue Date	:	19/05/2022
	South Granville NSW 2142	Print Date	:	20/05/2022

 Sample Description
 Clients Ref : "Boardex Exterior Sheathing"

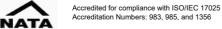
 Rigid Panel Colour: Orange with black Print.
 Nom Thickness: 12.5mm

 Nominal Composition :
 Fibreglass mats with moisture resistant core



#### 57625

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	of the Heat Flow Apparatus	ASTM C518-2021					
	16-05-2022	Test Date					
	Lasercomp Fox 314	Test Apparatus					
	Horizontal	Sample Orientation					
	Up	Heat Flow Direction					
°C	23	Mean Test Temperature					
°C	20	Temperature Differential					
%	3.1	Estimated uncertainty in results					
	812.3	Average Thermal Gradient					
W/m.K	0.063	Declared Thermal Conductivity 50/90					
m²K/W	0.06	R Value 50/90					

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The calibration of the Heat Flow Apparatus was checked immediately prior to the commencement of the test.

Declared Thermal Conductivity and Thermal Resistance calculated in accordance with AS 4859.1-2018, Clause 2.3.3.5

For testing purposes the samples were sandwiched between 2 layers of standard foam sheets. The total thermal resistance of the assembly was measured and the previously measured thermal resistance of the foam subtracted to give the thermal resistance of the product.

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# **TEST REPORT**

Client :	26a Ferr	Trafalgar Group 26a Ferndell Street South Granville NSW 2142				Test Number:22-001156Issue Date:19/05/2022Print Date:20/05/2022					
Specimen	1	2	3	4	5	6	7	8	9	10	
Specimen Thickness (as received)	12	13	13	13	12	12	13	13	13	13	mm
Specimen Thickness (as tested)	12	13	13	13	12	12	13	13	13	13	mm
Specimen Density (as received)	844	837	833	817	826	836	856	841	824	818	kg/m³
Test Duration	01:04	01:13	01:25	01:21	01:21	01:17	01:13	01:25	01:12	01:22	hrs:mins
Measured Heat Flux	391.6	318.9	338.8	314.6	329.1	329.3	344.9	331.5	326.6	302.9	W/m²
Measured Thermal Conductance	9.8752	8.2225	8.6772	8.0617	8.3894	8.3841	8.8440	8.5376	8.4342	7.8452	W/m²K
Measured Thermal Conductivity	0.2391	0.2037	0.2135	0.1984	0.2054	0.2050	0.2178	0.2112	0.2093	0.1953	W/m.K
Measured Resistance	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	m²K/W

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MANAGING DIRECTOR



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