

AWTA PRODUCT TESTING

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
26a Ferndell Street
South Granville NSW 2142

Test Number : 22-001156
Issue Date : 19/05/2022
Print Date : 20/05/2022

Sample Description

Clients Ref : "Boardex Exterior Sheathing"

Rigid Panel Colour: Orange with black Print. Nom Thickness: 12.5mm Nom Mass per unit area: 11kg/m2

Nominal Composition : Fibreglass mats with moisture resistant core



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APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR



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ASTM C518-2021

Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus

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

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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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Accredited for compliance with ISO/IEC 17025
Accreditation Numbers: 983, 985, and 1356

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.

A handwritten signature in blue ink, appearing to read "Fiona McDonald".

Fiona McDonald

APPROVED SIGNATORY

A handwritten signature in black ink, appearing to read "Michael A. Jackson".

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR



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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/m ³
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/m ²
Measured Thermal Conductance	9.8752	8.2225	8.6772	8.0617	8.3894	8.3841	8.8440	8.5376	8.4342	7.8452	W/m ² K
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	m ² K/W

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