

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106

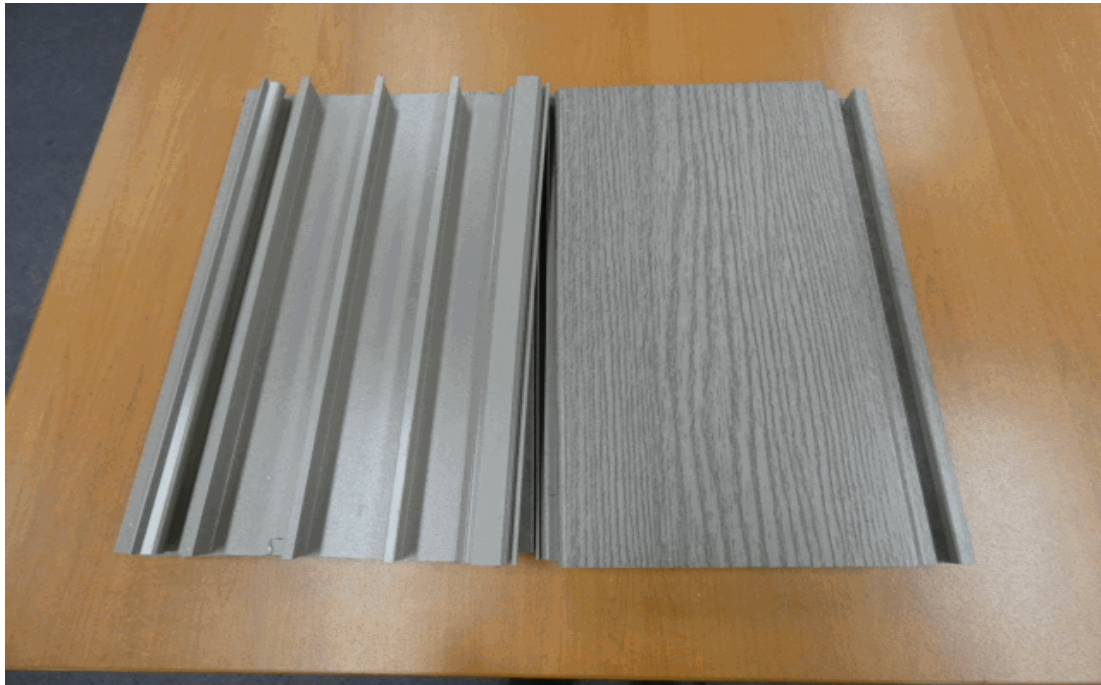
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

Client : Modinex Group
150 Toongarra Road
Wulkuraka QLD 4305

Test Number : 22-003310
Issue Date : 20/10/2022
Print Date : 7/11/2022

Sample Description Clients Ref : "Alu-Selekta"
Decorative Powdercoated Extruded Aluminium Cladding Board
Nominal Mass per Unit Area/Density : 9.3KG/M2
Nominal Thickness : 18mm



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

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Fiona McDonald

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	19-10-2022	
Test Apparatus	Lasercomp Fox 314	
Sample Orientation	Horizontal	
Heat Flow Direction	Up	
Mean Test Temperature	23 °C	
Temperature Differential	20 °C	
Average Thermal Gradient	660.0 K/m	
Estimated uncertainty in results	3.1 %	
Specimen	1	2
Specimen Thickness (as received)	18	18 mm
Specimen Thickness (as tested)	18	18 mm
Specimen Density (as tested)	450	454 kg/m ³
Test Duration	00:56	00:39 hrs:mins
Measured Heat Flux	276.9	275.4 W/m ²
Measured Thermal Conductance	8.3796	8.3266 W/m ² K
Measured Thermal Conductivity	0.2541	0.2522 W/m.K
Thermal Resistance	0.07	0.07 m ² K/W

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

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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