

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 : 22-003295
Issue Date : 6/10/2022
Print Date : 17/10/2022

Sample Description Clients Ref : "Viroc"
12mm Cement Composite sheet
Colour : Ecu
End Use : External, Internal Cladding
Nominal Composition : Cement, Wood fibres
Nominal Mass per Unit Area/Density : 16.21kg/m2
Nominal Thickness : 12mm



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Accreditation Numbers: 983, 985, and 1356

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ASTM C518-2021

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

Test Date	04-10-2022	
Test Apparatus	Lasercomp Fox 314	
Sample Orientation	Horizontal	
Heat Flow Direction	Up	
Mean Test Temperature	23 °C	
Temperature Differential	20 °C	
Average Thermal Gradient	833.2 K/m	
Estimated uncertainty in results	3.1 %	
Specimen	1	2
Specimen Thickness (as received)	12	12 mm
Specimen Thickness (as tested)	12	12 mm
Specimen Density (as tested)	1369	1392 kg/m ³
Test Duration	01:34	02:08 hrs:mins
Measured Heat Flux	438.0	450.9 W/m ²
Measured Thermal Conductance	11.0642	11.0339 W/m ² K
Measured Thermal Conductivity	0.2658	0.2647 W/m.K
Thermal Resistance	0.05	0.04 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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