

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 : Borg Manufacturing Pty Ltd
2 Wella Way
Somersby NSW 2250

Test Number : 20-002980
Issue Date : 16/07/2020
Print Date : 16/07/2020

Sample Description Clients Ref : "Structaflor R-flor 19mm"
Particleboard with aluminium foil facing
Nominal Thickness : 19mm

ASTM C518-2017

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

Test Date	15/07/2020	
Test Apparatus	Lasercomp Fox 314	
Sample Orientation	Horizontal	
Heat Flow Direction	Up	
Mean Test Temperature	23 °C	
Temperature Differential	20 °C	
Average Thermal Gradient	1025.4 K/m	
Estimated uncertainty in results	3.1 %	
Specimen	1	2
Specimen Thickness (as received)	19	19 mm
Specimen Thickness (as tested)	19	19 mm
Specimen Density (as tested)	679	671 kg/m ³
Test Duration	01:00	00:47 hrs:mins
Measured Heat Flux	121.4	119.7 W/m ²
Measured Thermal Conductance	0.6068	0.5986 W/m ² K
Measured Thermal Conductivity	0.1182	0.1169 W/m.K
Thermal Resistance	0.16	0.17 m ² K/W

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: Accreditation No. 983
: Accreditation No. 985
: Accreditation No. 1356

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APPROVED SIGNATORY



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

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

Specimens were tested with the aluminium foil side towards the hot plate.

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MANAGING DIRECTOR