

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 : Cavalier Bremworth
7 Grayson Avenue
Papatoetoe
Auckland New Zealand

Test Number : 21-002837
Issue Date : 10/06/2021
Print Date : 10/06/2021

Sample Description Clients Ref : "Moods of Monet II 446"
Cut pile carpet
Colour : Beige
End Use : Flooring

ASTM C518-2017

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

Test Date		10-06-2021
Test Apparatus		Lasercomp Fox 314
Sample Orientation		Horizontal
Heat Flow Direction		Up
Mean Test Temperature		23 °C
Temperature Differential		20 °C
Average Thermal Gradient		444.3 K/m
Estimated uncertainty in results		3.1 %
Specimen	1	2
Specimen Thickness (as received)	8.9	9.1 mm
Specimen Thickness (as tested)	45	45 mm
Specimen Density (as tested)	284	277 kg/m ³
Test Duration	01:21	02:13 hrs:mins
Measured Heat Flux	30.6	30.1 W/m ²
Measured Thermal Conductance	1.4603	1.4220 W/m ² K
Measured Thermal Conductivity	0.0653	0.0645 W/m.K
Thermal Resistance	0.68	0.70 m ² K/W
Thermal Resistance (1 layer)	0.14	0.14 m ² K/W

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Chris Campbell

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.

To facilitate testing, 5 layers were stacked and measured

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A handwritten signature in black ink, appearing to read 'Chris Campbell'.

Chris Campbell

APPROVED SIGNATORY

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

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