

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 : Bremworth
7 Grayson Avenue
Papatoetoe
Auckland 2104 New Zealand

Test Number : 24-001790
Issue Date : 11/07/2024
Print Date : 11/07/2024

Sample Description Clients Ref : "Te Aroha 770"
Cut pile carpet
Colour : Brown
End Use : Flooring



325981

70749

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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	09-07-2024	
Test Apparatus	Lasercomp Fox 314	
Sample Orientation	Horizontal	
Heat Flow Direction	Up	
Mean Test Temperature	23 °C	
Temperature Differential	20 °C	
Average Thermal Gradient	275.4 K/m	
Estimated uncertainty in results	3.1 %	
Specimen	1	2
Specimen Thickness (as received)	15	15 mm
Specimen Thickness (as tested)	73	73 mm
Specimen Density (as tested)	225	226 kg/m ³
Test Duration	03:13	02:55 hrs:mins
Measured Heat Flux	16.5	16.2 W/m ²
Measured Thermal Conductance	4.1240	4.0500 W/m ² K
Measured Thermal Conductivity	0.0598	0.0589 W/m.K
Thermal Resistance	1.2	1.2 m ² K/W
Thermal Resistance (1 layer)	0.24	0.25 m ² K/W

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

The specimens were tested as 2 groups of 5 layers of carpet placed face to back, with the back towards the hot plate.

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