

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 : 20-003377
Issue Date : 17/08/2020
Print Date : 17/08/2020

Sample Description Clients Ref : "Ripples 766"
Loop pile carpet
Colour : Light Brown/ Cream
End Use : Flooring

ASTM C518-2017

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

Test Date		13/08/2020
Test Apparatus		Lasercomp Fox 314
Sample Orientation		Horizontal
Heat Flow Direction		Up
Mean Test Temperature		23 °C
Temperature Differential		20 °C
Average Thermal Gradient		310.2 K/m
Estimated uncertainty in results		3.1 %
Specimen	1	2
Specimen Thickness (as received)	13	13 mm
Specimen Thickness (as tested)	64	64 mm
Specimen Density (as tested)	288	288 kg/m ³
Test Duration	02:51	02:34 hrs:mins
Measured Heat Flux	20.9	20.6 W/m ²
Measured Thermal Conductance	0.1046	0.1031 W/m ² K
Measured Thermal Conductivity	0.0674	0.0665 W/m.K
Thermal Resistance	0.96	0.97 m ² K/W

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: Accreditation No. 985
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Thermal Resistance (1 layer) 0.19 0.19 m²K/W

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

Specimens were tested as 5 layers of tiles placed face to back and then turned at right-angles for the second result.

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APPROVED SIGNATORY

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