## **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

Clients Ref:

Loop pile carpet Colour: Grey

Flooring End Use:

"Armure 542" **Sample Description** 

**ASTM C518-2017** 

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

Test Number :

**Issue Date** 

**Print Date** 

20-005731

25/11/2020

25/11/2020

Test Date		24/11/2020	
Test Apparatus		Lasercomp Fox 314	
Sample Orientation		Horizontal	
Heat Flow Direction		Up	
Mean Test Temperature		23	°C
Temperature Differential		20	°C
Average Thermal Gradient		368.4	K/m
Estimated uncertainty in results		3.1	%
Specimen	1	2	
Specimen Thickness	11	11	mm
(as received)			
Specimen Thickness	55	54	mm
(as tested)			
Specimen Density	243	247	kg/m³
(as tested)			
Test Duration	02:17	01:26	hrs:mins
Measured Heat Flux	21.0	21.3	W/m²
Measured Thermal Conductance	0.1051	0.1063	W/m²K
Measured Thermal Conductivity	0.0573	0.0575	W/m.K
Thermal Resistance	0.95	0.94	m²K/W
Thermal Resistance (1 layer)	0.19	0.19	m²K/W
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The calibration of the Heat Flow Apparatus was checked immediately prior to the commencement of the test.

Specimens were tested as 2 separate stacks of 5 layers of carpet placed face to back.

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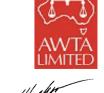
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MICHAEL A. JACKSON B.Sc.(Hons)

APPROVED SIGNATORY