

# 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 :** 21-001998  
**Issue Date :** 29/04/2021  
**Print Date :** 29/04/2021

### Replacement of Initial Report dated :29/04/2021

**Sample Description** Clients Ref : "Levante 539"  
Loop pile carpet  
Colour : Beige  
End Use : Flooring

#### ASTM C518-2017

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

|                                     |                   |                           |
|-------------------------------------|-------------------|---------------------------|
| Test Date                           | 28-04-2021        |                           |
| Test Apparatus                      | Lasercomp Fox 314 |                           |
| Sample Orientation                  | Horizontal        |                           |
| Heat Flow Direction                 | Up                |                           |
| Mean Test Temperature               | 23 °C             |                           |
| Temperature Differential            | 20 °C             |                           |
| Average Thermal Gradient            | 394.2 K/m         |                           |
| Estimated uncertainty in results    | 3.1 %             |                           |
| Specimen                            | 1                 | 2                         |
| Specimen Thickness<br>(as received) | 10                | 10 mm                     |
| Specimen Thickness<br>(as tested)   | 51                | 51 mm                     |
| Specimen Density<br>(as tested)     | 268               | 270 kg/m <sup>3</sup>     |
| Test Duration                       | 01:55             | 01:39 hrs:mins            |
| Measured Heat Flux                  | 25.1              | 25.0 W/m <sup>2</sup>     |
| Measured Thermal Conductance        | 1.2555            | 1.2491 W/m <sup>2</sup> K |
| Measured Thermal Conductivity       | 0.0637            | 0.0634 W/m.K              |
| Thermal Resistance                  | 0.80              | 0.80 m <sup>2</sup> K/W   |

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Chris Campbell

APPROVED SIGNATORY

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

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Thermal Resistance (1 layer) 0.16 0.16 m<sup>2</sup>K/W

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

Tested with 5 layers

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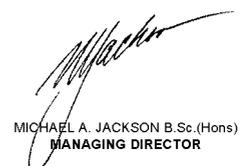
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MICHAEL A. JACKSON B.Sc.(Hons)  
MANAGING DIRECTOR

0204/11/06