

Thermal Resistance Test Certificate

Thursday, September 08th, 2022

Supplier: Australian Select Timbers Pty Ltd (136 Atlas Boulevard, Dandenong South, VIC 3175, Australia)

Sample Description: Kodiak Hybrid Flooring (underlay attached)

Date Tested: 5 September 2022 (Tested through Laboratories – NATA Accreditation 1356)

Test Method: ASTM C518-2017 “Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus”.

Test Data:

Sample Identification	Kodiak Hybrid Flooring (underlay attached)		
Specimen	1	2	Averaged
Specimen Thickness (mm)	6.1	6.0	6.05
Specimen Density (kg/m ³)	1679	1686	569.5
Test Duration (hrs:mins)	01:30	01:13	01:22
Measured Heat Flux (W/m ²)	574.3	599.5	586.9
Measured Thermal Conductance (W/m ² .K)	9.6523	10.0427	9.8475
Measured Thermal (K value) Conductivity (W/m.K)	0.1741	0.1808	0.1795
Thermal Resistance (R value) (m ² K/W)	0.03	0.03	0.03

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

For the testing purpose the samples were sandwiched between 2 layers of standard foam sheets. The total thermal resistance of the assembly was measured, and the previous measured thermal resistance of the foam subtracted to give the thermal resistance of the product.

Specimens were tested with the underlay side towards the hot plate.

Photo of the tested sample



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