CETEC
Professional Scientific Solutions

Thermal Resistance Test Certificate

Wednesday, November 09th, 2022

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

Sample Description: Nouvelle Acoustic Hybrid Flooring

Date Tested: 4 November 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	**Nouvelle Acoustic Hybrid Flooring**		
Specimen	**1**	**2**	**Averaged**
Specimen Thickness as received (mm)	6.9	6.9	6.9
Specimen Thickness as tested (mm)	6.9	6.9	6.9
Specimen Density as tested (kg/m^3)	1664	1668	1666
Test Duration (hrs:mins)	1:04	1:13	1:08
Measured Heat Flux (W/m^2)	202.0	202.5	202.25
Measured Thermal Conductance ($W/m^2.K$)	3.6900	3.6914	3.6907
Measured Thermal (K value) Conductivity (W/m.K)	0.0696	0.0696	0.0696
Thermal Resistance (R value) (m^2K/W)	0.10	0.10	0.10

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

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

Photo of the tested sample

Dr. Vyt Garnys
PhD, BSc(Hons) AIMM, ARACI, ISIAQ
ACA, AIRAH, FMA
Managing Director and Principal Consultant

Travis Hale
BSc (Biotechnology)
Senior consultant

Dr. Tuan Duong
PhD, B.E. Chem.
Senior Consultant

P22100005