

Fire Test Certificate

Friday June 10th, 2016

Supplier: Terra Mater Hardwood Floors Pty Ltd (43 Nicholas Drive, Dandenong South, VIC 3175)

Sample Description: Lakewood

Date Tested: June 2016 (Tested through FORAY Laboratories – NATA Accreditation 1231)

Test Method: AS/NZS 3837:1998 “Method of Test for Heat and Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter”

Test Data (three test average values):

Average Heat Release Rate	58.3 kW/m ²
Average Specific extinction area	13.6 m ² /kg
(according to Specification C1.10 of the Building Code of Australia)	
Test orientation	Horizontal
Irradiance	50 kW/m ²
Exhaust flow rate	24 L/s
Time to sustained flaming	30s
Test duration	2012s
Peak heat release after ignition	210.0 kW/m ²
Average heat at 60s	140.2 kW/m ²
Release rate at 180s	164.9 kW/m ²
After ignition at 300s	149.2 kW/m ²
Total heat released	115.4 MJ/m ²
Average effective heat of combustion	12.9 MJ/kg
Initial thickness	20.0mm
Initial mass	151.3g
Mass remaining	78.6g
Mass percentage pyrolysed	48.1%
Mass loss	72.7g
Average rate of mass loss	4.5 g/(m ² .s)
Group Number Classification	Group 3



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



Nick Joy
BSc(Hons)
Consultant

CV160428