

Fire Test Certificate

Friday April 17th, 2015

Supplier: Australian Select Timbers Pty Ltd (61-63 Discovery Road, Dandenong, VIC 3175)

Sample Description: Grand Oak

Date Tested: March 2015 (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	54.1 kW/m ²
Average Specific extinction area	35.6 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	31s
Test Duration	2543s
Peak heat release after ignition	262.1 kW/m ²
Average heat at 60s	141.4 kW/m ²
Release rate at 180s	135.5 kW/m ²
After ignition at 300s	120.7 kW/m ²
Total heat released	135.7 MJ/m ²
Average effective heat of combustion	14.2 MJ/kg
Initial thickness	15.0mm
Initial mass	85.2g
Mass remaining	7.2g
Mass percentage pyrolysed	91.5%
Mass loss	78.0g
Average rate of mass loss	3.8 g/(m ² x s)
Group Number Classification	Group 3



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