

Fire Test Certificate

Thursday November 16th, 2017

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

Sample Description: Regency Hardwood

Date Tested: November 2017 (Tested through a NATA Accreditation laboratory 1356)

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	46.8 kW/m ²
Average Specific extinction area	51.7 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	3600s
Peak heat release after ignition	216.2 kW/m ²
Average heat at 60s	144.0 kW/m ²
Average heat at 180s	156.9 kW/m ²
Average heat at 300s	134.6 kW/m ²
Total heat released	167.1 MJ/m ²
Average effective heat of combustion	15.8 MJ/kg
Initial thickness	14.5mm
Initial mass	90.1g
Mass remaining	3.9g
Mass percentage pyrolysed	95.7%
Mass loss	86.2g
Average rate of mass loss	3.0 g/(m ² x s)
Group Number Classification	Group 3



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