

Fire Test Certificate

Monday, August 24th, 2020

Supplier: Compass Materials Pty Ltd (Unit 16, 100 New Street, Ringwood, VIC 3134, Australia)

Sample Description: Prime Oak Timber

Date Tested: 18th August 2020 (Tested through FORAY Laboratories – NATA Accreditation 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	48.8 kW/m ²
Average Specific extinction area	36.0 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	0.024 m ³ /sec
Time to sustained flaming	33 sec
Test Duration	3600 sec
Peak heat release after ignition	255.2 kW/m ²
Average heat at 60s	125.9 kW/m ²
Average heat at 180s	136.3 kW/m ²
Average heat at 300s	124.9 kW/m ²
Total heat released	174.1 MJ/m ²
Average effective heat combustion	16.3 MJ/kg
Initial thickness	15 mm
Initial mass	89.5 g
Mass remaining	2.3 g
Mass percentage pyrolysed	97.5 %
Mass loss	10.8 Kg/m ²
Average rate of mass loss	3.0 g / (m ² x sec)
Group number Classification (in accordance with AS 5637.1-2015)	3

Additional Observations: None

Difficulties Encountered during testing: None

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be the sole criterion for assessment of performance under real fire conditions.

The results of these fire tests may be used to directly assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of the fire hazard under all fire conditions.

Tests were conducted with a wire grid placed over the sample during testing.

This was done to contain intumescent sample within the sample holder.



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