

# Fire Test Certificate

Friday June 10<sup>th</sup>, 2016

Supplier: Terra Mater Hardwood Floors Pty Ltd

Sample Description: Wild Oak

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):

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



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