

Fire Test Certificate

Friday April 17th, 2015

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

Sample Description: Hickory Impressions

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 Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia) Test Orientation Horizontal Irradiance 50 kW/m² Exhaust flow rate 78 00 Average heat at 60s Initial mass Figure 19 My/m² Average effective heat of combustion Average flow flow flow flow flow flow flow flow		
(according to Specification C1.10 of the Building Code of Australia)Test OrientationHorizontalIrradiance50 kW/m²Exhaust flow rate24 L/sTime to sustained flaming38sTest Duration2341sPeak heat release after ignition260.8 kW/m²Average heat at 60s181.8 kW/m²Release rate at 180s157.0 kW/m²After ignition at 300s143.3 kW/m²Total heat released129.8 MJ/m²Average effective heat of combustion14.8 MJ/kgInitial thickness12.0mm	Average Heat Release Rate	56.5 kW/m ²
Test Orientation Irradiance Exhaust flow rate Exhaust flow rate Time to sustained flaming Test Duration Peak heat release after ignition Average heat at 60s Release rate at 180s After ignition at 300s Total heat released Average effective heat of combustion Initial thickness Horizontal Horizontal Horizontal Horizontal 50 kW/m² 24 L/s 2341s Peak heat release after ignition 260.8 kW/m² 181.8 kW/m² 181.8 kW/m² 192.8 MJ/m² 143.3 kW/m² 143.3 kW/m² 143.3 kW/m² 143.3 kW/m² 143.3 kW/m² 143.3 kW/m²		U
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Initial thickness 12.0mm	Total heat released	129.8 MJ/m ²
	Average effective heat of combustion	14.8 MJ/kg
Initial mass	Initial thickness	12.0mm
10.09	Initial mass	78.0g
Mass remaining 6.0g	Mass remaining	6.0g
Mass percentage pyrolysed 92.4%	Mass percentage pyrolysed	92.4%
Mass loss 72.1g	Mass loss	72.1g
Average rate of mass loss 3.8 g/(m² x s)	Average rate of mass loss	3.8 g/(m ² x s)
Group Number Classification Group 3	Group Number Classification	Group 3

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