

Fire Test Certificate

Thursday, January 28th, 2021

Supplier: WCCI Pty Ltd T/As West Coast Commercial Industries (33 Morgan Street, ROCKINGHAM, WA, 6168, Australia)

Sample Description: 13mm Standard Maica Compact Laminate

Date Tested: 20th January 2021 (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	76.6 kW/m ²
Average Specific extinction area	46.6 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	0.024 m ³ /sec
Time to sustained flaming	90 sec
Test Duration	3600 sec
Peak heat release after ignition	136.1 kW/m ²
Average heat at 60s	81.3 kW/m ²
Average heat at 180s	83.7 kW/m ²
Average heat at 300s	84.2 kW/m ²
Total heat released	268.8 MJ/m ²
Average effective heat combustion	15.7 MJ/kg
Initial thickness	13.0 mm
Initial mass	183.8 g
Mass remaining	44.7 g
Mass percentage pyrolysed	75.7 %
Mass loss	17.2 Kg/m ²
Average rate of mass loss	4.9 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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