

Certificate of Assessment

Job No.: NK8011

No. 2510

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This is to certify that the specimen described below was tested by the CSIRO Infrastructure Technologies in accordance with Australian/ New Zealand Standard 3837, Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter, 1998, at 50 kW/m², on behalf of:

Borg Manufacturing Pty Limited
2 Wella Way
SOMERSBY NSW 2250
AUSTRALIA

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNK 12181.

SAMPLE

IDENTIFICATION: Chromaboard

DESCRIPTION OF SAMPLE:

The sponsor described the tested specimen as a dyed medium density fibreboard (MDF) comprised of wood fibres, wax and resin.

Nominal total thickness: 8 mm to 25 mm

Nominal density: 750 kg/m³

Colours: black

SAMPLE

CLASSIFICATION: Group Number: Group 3
(In accordance with A2.4 of the Building Code of Australia.)^{1,2}
Average specific extinction area: 1.2 m²/kg
(Refer to Specification C1.10 section 4 of the Building Code of Australia.)^{1,2}

Notes:

1. The results of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.
2. As per Section 9 (n) of AS 5637.1:2015, the determination of the group number was based on the AS/NZS 3837:1998 test, and was deemed valid in the cone calorimeter for the assignment of National Construction Code (NCC) group number.

Testing Officer: Faustin Molina Date of Test: 12 June 2018

Issued on the 3rd day of July 2018 without alterations or additions.



Brett Roddy
Team Leader, Fire Testing and Assessments



NATA Accredited Laboratory
Number: 165
Corporate Site No 3625
Accredited for compliance with ISO/IEC 17025 - Testing.

CSIRO INFRASTRUCTURE TECHNOLOGIES

14 Julius Avenue, Riverside Corporate Park, North Ryde NSW 2113 AUSTRALIA
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Certificate of Test

Quote No.: NE8010

REPORT No.: FNE12182

AS/NZS 1530.3:1999 SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE

TRADE NAME: Chromaboard

SPONSOR: Borg Manufacturing Pty Limited
2 Wella Way
SOMERSBY NSW 2250
AUSTRALIA

DESCRIPTION OF SAMPLE:

The sponsor described the tested specimen as a dyed medium density fibreboard (MDF) comprised of wood fibres, wax and resin binder.

Nominal total thickness: 8 mm to 25 mm
Nominal density: 750 kg/m³
Colour: black

TEST PROCEDURE: Nine samples were tested in accordance with AS/NZS 1530, Method for fire tests on building components and structures, Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, 1999. For the test, each sample was clamped to the specimen holder in four places.

RESULTS: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	5.7	0.1
Flame Spread Time (s)	N/A	N/A
Heat Release Integral (kJ/m ²)	26.0	2.2
Smoke Release (log ₁₀ D)	-1.406	0.035

For regulatory purposes these figures correspond to the following indices:

Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
14	0	1	3

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

DATE OF TEST: 15 June 2018

Issued on the 3rd day of July 2018 without alterations or additions.



Faustin Molina
Testing Officer



Brett Roddy
Team Leader, Fire Testing and Assessments

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