

Certificate of Test

NE6328

REPORT No.: FNE10012

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

TRADE NAME: Green Resources Material - BioWood

SPONSOR: Green Resources Material Australia Pty Ltd
Unit 2, 74-80 Helen Street
SEFTON NSW
AUSTRALIA

DESCRIPTION OF SAMPLE: The sponsor described the tested specimen as extruded reconstituted decking board composite product comprising of wood flour, PVC, and calcium carbonate.

Nominal total thickness: 25 mm
Nominal mass: 17.8 kg/m²
Colour: brown (teak/spotted gum)

TEST PROCEDURE: Six samples were tested in accordance with Australian Standard 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.

OBSERVATION: Some flashing occurred on the samples prior to ignition.

RESULTS: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	6.8	0.3
Flame Spread Time (s)	N/A	N/A
Heat Release Integral (kJ/m ²)	44.7	5.1
Smoke Release (log ₁₀ D)	-0.058	0.052

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)
13	0	1	7

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: 13 January 2011

Issued on the 17th day of January 2011 without alterations or additions.


Heherson Alarde
Testing Officer


Garry E Collins
Manager, Fire Testing and Assessments



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