

Certificate of Test

Quote No.: NE7451

REPORT No.: FNE11482A

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

TRADE NAME: Innowood
SPONSOR: Innowood Australia Pty Limited
126 O'Connell Street
NORTH PARRAMATTA NSW 2151
AUSTRALIA

DESCRIPTION OF SAMPLE: The sponsor described the tested specimen as reconstituted wood-based composite extrusion panel consisting of 69% wood-flour, 23% PVC resin binder, balance CaCO₃ and colouring oxides. The tested sample was constructed by juxtaposing three (3) 144-mm x 591-mm panels with 10-mm depth groove on both edges, and held together on the unexposed face by two reconstituted wood-based composite joists measuring 441-mm x 63-mm x 10-mm, and fastened with metal screws.

Nominal thickness: 14 mm
Nominal density: 825 kg/m³
Nominal mass: 13.6 kg/m²
Colour: 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 restrained by one layer of square mesh having 0.8-mm dia. wires at approximately 13-mm centres over the exposed face and fastened with steel wire, and was clamped to the specimen holder in four places.

OBSERVATIONS: Some flashing occurred prior to ignition.

RESULTS: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	8.6	0.4
Flame Spread Time (s)	N/A	N/A
Heat Release Integral (kJ/m ²)	24.5	6.4
Smoke Release (log ₁₀ D)	-0.394	0.078


For regulatory purposes these figures correspond to the following indices:

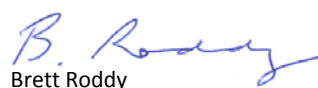
Ignitability Index	Spread of Flame Index	Heat Evolved Index	Smoke Developed Index
(0-20)	(0-10)	(0-10)	(0-10)
11	0	0	6

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: 10 September 2015

Issued on the 5th day of February 2016 without alterations or additions. This certificate supersedes Report No. FNE11482 issued on 14 September 2015.


Heherson Alarde
Testing Officer


Brett Roddy
Team Leader, Fire Testing and Assessments

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CSIRO INFRASTRUCTURE TECHNOLOGIES

14 Julius Avenue, Riverside Corporate Park, North Ryde NSW 2113 AUSTRALIA
Telephone: 61 2 9490 5444 Facsimile: 61 2 9490 5555 www.csiro.au

