

# Certificate of Test

Quote No.: NE7451

REPORT No.: FNE11482

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

**TRADE NAME:** Innowood

**SPONSOR:** Innowood Australia Pty Limited  
128 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  $\text{CaCO}_3$  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/m<sup>3</sup>  
Nominal mass: 13.6 kg/m<sup>2</sup>  
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 <sup>2</sup> )	24.5	6.4
Smoke Release (log <sub>10</sub> D)	-0.394	0.078

For regulatory purposes these figures correspond to the following indices:

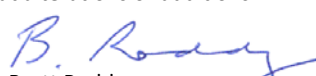
Ignitability Index	Spread of Flame Index	Heat Evolved Index	Smoke Developed Index
(0-20)	(0-10)	(0-10)	(0-10)
11	0	0	6

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 14<sup>th</sup> day of September 2015 without alterations or additions.

  
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

