

# Certificate of Test

QUOTE No.: NE8121

REPORT No.: FNE12362

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

**TRADE NAME:** Autras Composite Timber

**SPONSOR:** Autras Supply Pty Ltd  
Suite 250 Pitt Street  
SYDNEY NSW 2000  
AUSTRALIA

**DESCRIPTION OF SAMPLE:**

The sponsor described the tested specimen as a wood plastic composite (WPC) comprised of wood powder, polyvinyl chloride, calcium carbonate and other additives. The WPC contained flame retardant additives.

Nominal density: 1000 kg/m<sup>3</sup>

Nominal thickness: 8 mm

Colour: product range of colours (white, beige, grey)

**TEST PROCEDURE:**

Six (6) 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 restrained by one layer of square mesh having 0.8-mm diameter wires and 12-mm x 12 mm nominal aperture size over the exposed face and 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)	10.9	0.4
Flame Spread Time (s)	N/A	N/A
Heat Release Integral (kJ/m <sup>2</sup> )	2.8	0.9
Smoke Release ( $\log_{10}D$ )	-1.536	0.068

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)
9	0	0	2

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:** 2 April 2019

Issued on the 3<sup>rd</sup> day of May 2019 without alterations or additions.



Shaw Tran  
Testing Officer



Brett Roddy  
Team Leader, Fire Testing and Assessments

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