

# Certificate of Test

Quote No.: NE7377

REPORT No.: FNE11459C

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

**TRADE NAME:** Vitracore G2  
**SPONSOR:** Fairview Architectural Pty Limited  
18-20 Donald Street  
LITHGOW NSW 2790  
AUSTRALIA

**DESCRIPTION OF SAMPLE:** The sponsor described the tested specimen as an aluminium composite sandwich decorative panel comprised of the following layers:

- Layer 1: 0.7-mm thick aluminium face finished with 30- $\mu$ m thick surface finish;
- Layer 2: 0.1-mm thick adhesive film;
- Layer 3: 0.3-mm thick corrugated profiled aluminium core, expanded to 2.6-mm;
- Layer 4: 0.1-mm thick adhesive film;
- Layer 5: 0.5-mm thick aluminium face finished with 10- $\mu$ m thick surface finish.

The layers were adhered together using an adhesive film glue at an application rate of 96 g/m<sup>2</sup>.

Nominal total thickness: 4 mm

Nominal total mass: 3.7 kg/m<sup>2</sup> (measured); 4.564 kg/m<sup>2</sup> (specified by sponsor)

Colour: silver (exposed face coating)

**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.

**RESULTS:** The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	N/A	N/A
Flame Spread Time (s)	N/A	N/A
Heat Release Integral (kJ/m <sup>2</sup> )	N/A	N/A
Smoke Release (log <sub>10</sub> D)	-2.075	0.147

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)
0	0	0	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.

DATE OF TEST: 12 August 2015

Issued on the 31<sup>st</sup> day of October 2015 without alterations or additions. This certificate supersedes Report No. FNE11459B issued on 19 October 2015.



Heherson Alarde  
Testing Officer



Brett Roddy  
Team Leader, Fire Testing and Assessments

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