

# Certificate of Test

QUOTE No.: NE8164

REPORT No.: FNE12445

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

**TRADE NAME:** Vitracore G2

**SPONSOR:** Fairview Architectural Pty Ltd  
18-20 Donald Street  
LITHGOW NSW 2790  
AUSTRALIA

**DESCRIPTION OF SAMPLE:**

The sponsor described the tested specimen as an aluminium composite panel comprised of the following layers:

Layer 1: 30- $\mu$ m thick PVDF coating (face);  
Layer 2: 0.7-mm thick aluminium sheeting;  
Layer 3: 2.8-mm expanded aluminium core comprised of 0.3-mm thick aluminium wall;  
Layer 4: 0.5-mm thick aluminium sheeting;  
Layer 5: 5- $\mu$ m to 10- $\mu$ m polyester coating.

The core and the face were adhered together using EVA resin with a total thickness of < 0.2-mm.

Nominal thickness: 4 mm  
Nominal mass: 4.6 kg/m<sup>2</sup>  
Colour: red or black

Note: The specimen was provided by UL International Singapore Pte Ltd.

**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.

**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)        | -2.046 | 0.063          |

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)                |
| 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: 29 August 2019

Issued on the 19<sup>th</sup> day of September 2019 without alterations or additions.



Shaw Tran  
Testing Officer



Brett Roddy  
Group Leader, Fire Testing and Assessments

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