

Certificate of Test

Quote No.: NC7442

REPORT No.: FNC11476B

COMBUSTIBILITY TEST FOR MATERIALS IN ACCORDANCE WITH AS 1530.1-1994

TRADE NAME: Vitracore G2 – Aluminium composite panel incorporating a corrugated profiled aluminium core with aluminium outer skins.

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

DESCRIPTION OF TEST SAMPLE:

The sponsor described the tested specimen as an aluminium composite panel comprising three layers. The test specimen comprised the two flat skins and a profiled core.

Layer 1: 0.7-mm thick aluminium face;
Layer 2: 0.3-mm thick corrugated profiled aluminium core, expanded to 2.6-mm;
Layer 3: 0.5-mm thick aluminium face.
Nominal total thickness: 4-mm
Nominal mass: 4 kg/m² (measured)
Colour: silver

TEST PROCEDURE: Five (5) samples were tested in accordance with Australian Standard 1530 Methods for fire tests on building materials, components and structures, Part 1- 1994: Combustibility Test for Materials.

An alternative suitable insulating material was used to fill the annular space between the furnace tubes, as specified in Clause 4.2 of ISO 1182:2010.


RESULTS: Mean furnace thermocouple temperature rise..... 11.0°C
Mean specimen centre thermocouple temperature rise14.2°C
Mean specimen surface thermocouple temperature rise..... 5.4°C
Mean duration of sustained flaming..... 0 seconds
Mean mass loss..... 0.09 %

DESIGNATION: The material is NOT deemed COMBUSTIBLE according to the test criteria specified in Clause 3.4 of AS 1530.1-1994.

These test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.

DATE OF TEST: 3 September 2015

Issued on the 12th day of November 2015 without alterations or additions. This certificate supersedes Report No. FNC11476A issued on 4 November 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

