

Certificate of Test

Quote No.: NC8019

REPORT No.: FNC12174

COMBUSTIBILITY TEST FOR MATERIALS IN ACCORDANCE WITH AS 1530.1-1994

TRADE NAME: Alfrex Solid

SPONSOR: Unience
1113-10 Namchon-ri Oksan-myeon
CHEONGWON-GUN CHUNGBUK 00000
SOUTH KOREA

DESCRIPTION OF TEST SAMPLE: The sponsor described the tested specimen as mill finish aluminium discs representative of the aluminium used in the Alfrex solid panel.

Nominal thickness: 3 mm (loose laid to 50-mm for the test)
Nominal density: 2700 kg/m³
Colour: silver (mill finish)

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	5.4°C
Mean specimen centre thermocouple temperature rise.....	6.2°C
Mean specimen surface thermocouple temperature rise	15.0°C
Mean duration of sustained flaming.....	0 seconds
Mean mass loss	0.20%

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: 28 May 2018

Issued on the 12th day of June 2018 without alterations or additions.



Faustin Molina
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

