Certificate of Test

Quote No.: NE8020 **REPORT No.: FNE12175**

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

TRADE NAME: Alfrex Solid

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

DESCRIPTION OF SAMPLE: The sponsor described the tested specimen as a pre-finished aluminium sheet with a polyvinylidene fluoride (PVDF) coating on the face of the specimen and a primer coating on the obverse face.

Nominal thickness of PVDF coating:	2 µm
Nominal thickness of primer coating:	5 µm
Nominal total thickness:	3 mm
Nominal mass of panel:	8.0 kg/m^2
Colour:	grey metalic (face) / off white (backing)

TEST PROCEDURE: Six 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 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^2)	N/A	N/A
Smoke Release ($\log_{10}$D)	-2.545	0.167

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	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: 31 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

NATA Accredited Laboratory
Number: 165
Corporate Site No 3625
Accredited for compliance with ISO/IEC 17025 – Testing.

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