

Certificate of Test

QUOTE No.: NE8170

REPORT No.: FNE12382

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

TRADE NAME: 3 mm thick painted aluminium samples

SPONSOR: Ausrise Aluminium Pty Limited
6/5 Clerke Place
KURNELL NSW 2231
AUSTRALIA

DESCRIPTION OF

SAMPLE: The sponsor described the tested specimen as a powder coated 1100-H14 grade aluminium panel. The powder coating is comprised of polyester resin, crosslinker and pigments.

Nominal coating thickness: 60 µm to 100 µm
Nominal aluminium thickness: 3 mm
Nominal total thickness: 3.06 mm to 3.1 mm
Nominal mass: 8.6 kg/m² (measured)
Colour: grey (face) / silver (back)

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. For the test, each sample was clamped to the specimen holder in four places.

OBSERVATIONS: Flashing of the specimen was observed.

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)	-1.939	0.050

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: 15 May 2019

Issued on the 6th day of June 2019 without alterations or additions.



Shaw Tran
Testing Officer



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Team Leader, Fire Testing and Assessments

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