

Certificate of Test

QUOTE No.: NE8614

REPORT No.: FNE12839A

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

TRADE NAME: Ai Panel

SPONSOR: SAS Signage Accessories Supplier Pty Ltd
39-41 Overseas Drive
NOBLE PARK VIC 3174
AUSTRALIA

DESCRIPTION OF SAMPLE:

The sponsor described the tested specimen as a coated aluminium panel comprised of the following layers:

Layer 1: 25-µm to 35-µm thick polyvinylidene fluoride (PVDF) matte coating;
Layer 2: 35-µm thick polyester paint finish;
Layer 3: 5-µm thick polyurethane resin undercoat;
Layer 4: 2-mm thick aluminium alloy 5052 panel;
Layer 5: 5-µm thick polyurethane resin undercoat

Nominal thickness: 2.08 mm

Nominal mass: 5.42 kg/m²

Colour: range of colours [black, blue, white] (face) / off white (back)

The coloured face of the specimen was exposed to the radiant heat source.

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. As per clause 2.2.1 of the standard where a result is required to cover a range of colours, the laboratory tested the lightest and darkest colours of the range as prescribed by the sponsor.

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)	-2.181	0.042

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: 6 December 2021

Issued on the 13th day of December 2021 without alterations or additions. This report supersedes the report no, **FNE12839** issued on the 9th day of December 2021.



Faustin Molina
Testing Officer



Stephen Smith
Team Leader, Reaction to Fire & Façade Fire Laboratory

End of Report

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NATA Accredited Laboratory
Number: 165
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