Certificate of Test

QUOTE No.: NE8614 **REPORT No.: FNE12840**

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) coating;
Layer 2:	35-µm thick polyester paint finish;
Layer 3:	7-µm to 8-µm thick polyurethane resin undercoat;
Layer 4:	3-mm thick aluminium alloy 5052 panel;
Nominal thickness:	3.078 mm
Nominal mass:	8.13 kg/m^2
Colour:	range of colours [black, blue, white] (face) / 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)	-1.997	0.067

For regulatory purposes these figures correspond to the following indices:

Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (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: 7 December 2021

Issued on the 9th day of December 2021 without alterations or additions.

Faustin Molina
Testing Officer

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

End of Report

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

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