

Certificate of Test

Quote No.: NE7460

REPORT No.: FNE11686A

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

TRADE NAME: Alcadex A1 - 4mm Fireproof Aluminium Composite Panel with PVDF coating

SPONSOR: CSP- Architectural SGI - Architectural
1029 – 1035 Ballarat Road Unit 31 / 5-7 Inglewood Place
Deer Park VIC Baulkham Hills NSW
AUSTRALIA AUSTRALIA

DESCRIPTION OF SAMPLE:

The sponsor described the tested specimen as aluminium composite panel comprising the following layers:

- Layer 1: 26- μ m thick polyvinylidene fluoride (PVDF) coating;
- Layer 2: 0.5-mm thick aluminium sheet;
- Layer 3: 50- μ m thick polymeric membrane;
- Layer 4: 3-mm thick core comprising 99.5% inorganic and 0.5% organic compounds;
- Layer 5: 50- μ m thick polymeric membrane;
- Layer 6: 0.5-mm thick aluminium sheet.

The layers were adhered together using polymeric membrane adhesive with an application rate of 9.3 g/m².

Nominal total thickness: 4 mm
Nominal total mass: 840 g/m²
Colour: grey (coating)

TEST PROCEDURE: Six samples were tested in accordance with Australian Standard 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	N/A	N/A
Smoke Release (log ₁₀ D)	-2.212	0.184

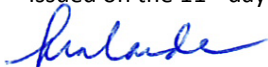
For regulatory purposes these figures correspond to the following indices:

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: 20 November 2015 TEST No. 11541

Issued on the 11th day of April 2016 without alterations or additions.



Heherson Alarde
Testing Officer



Brett Roddy
Team Leader, Fire Testing and Assessments

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