

# Certificate of Test

QUOTE No.: NE8784

REPORT No.: FNE13125

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

**TRADENAME:** 1) Acetech Pergola 2) Acetech Linear Cladding System

**SPONSOR:** Acetech Architectural Pty Ltd  
1A, 42 Lisbon Street  
FAIRFIELD EAST NSW 2165  
AUSTRALIA

**DESCRIPTION OF SAMPLE:**

The sponsor described the tested specimen as a coated aluminium panel comprised of 6063 aluminium alloy with a Dulux thermoset base coat and sublimation pattern finish coat on the front face. The coatings were applied to the aluminium at an application rate of 3-m<sup>2</sup>/kg to 4-m<sup>2</sup>/kg.

Nominal thickness of paint coating: 60 µm  
Nominal total thickness: 3.0 mm  
Nominal density: 2700 kg/m<sup>3</sup>  
Colour: snowgum timber (front face) / grey (rear)

The test result only relates to the specimen tested and described in this report. CSIRO was not involved in the selection of the materials.

**TEST PROCEDURE:** Nine (9) 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:** Due to variable behaviour, nine (9) specimens were tested, as required by Clause 2.8 of AS/NZS 1530.3:1999. Of the nine (9) specimens tested only seven (7) ignited.

**RESULTS:** The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	12.2	0.2
Flame Spread Time (s)	N/A	N/A
Heat Release Integral (kJ/m <sup>2</sup> )	5.0	0.9
Smoke Release (log <sub>10</sub> D)	Ignition -1.913 Non-ignition -1.895	0.023 0.006

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)
8	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: 24 October 2023

Issued on the 16<sup>th</sup> day of November 2023 without alterations or additions.



Faustin Molina  
Testing Officer



Stephen Smith  
Team Leader, Reaction to Fire Laboratory

**End of Report**

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Number: 165  
Corporate Site No 3625

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