

Certificate of Test

QUOTE No.: NE8784

REPORT No.: FNE13126

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 single layer thermoset powder coating on the front face. The powder coating was applied to the aluminium at an application rate of 8-m²/kg to 10-m²/kg.

Nominal thickness of powder coating: 70 µm
Nominal total thickness: 3.0 mm
Nominal density: 2700 kg/m³
Colour: silver (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 three (3) ignited.

RESULTS: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	12.3	0.4
Flame Spread Time (s)	N/A	N/A
Heat Release Integral (kJ/m ²)	7.3	3.3
Smoke Release (log ₁₀ D)	Ignition -1.940 Non-ignition -1.588	0.017 0.053

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)
8	0	0	2

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: 25 October 2023

Issued on the 16th 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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NATA Accredited Laboratory
Number: 165
Corporate Site No 3625

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CSIRO INFRASTRUCTURE TECHNOLOGIES

14 Julius Avenue, Riverside Corporate Park, North Ryde NSW 2113 AUSTRALIA
Telephone: 61 2 9490 5444 Facsimile: 61 2 9490 5555 www.csiro.au

