

Certificate of Test

QUOTE No.: NE8784

REPORT No.: FNE13128

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 3) Acetech Solid 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 thermosetting 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.

The specimen consisted of a 600-mm x 100-mm x 3-mm rectangular piece, a 350-mm x 300-mm x 3-mm rectangular piece with a 100-mm diameter hole spaced at 175-mm centre from the short edge and a 350-mm x 300-mm x 3-mm rectangular piece with a 150-mm x 150-mm hole spaced at 175-mm centre from the short edge. The two 300-mm x 350-mm x 50-mm pieces were butted on top of one another with the hole piece on the top and square hole on the bottom. The 600-mm x 100-mm x 50-mm piece was butted to two pieces on the left-hand side creating the 450-mm width required for the test. The three pieces were juxtaposed together using a 30-mm x 30-mm metal angle support frame fixed to perimeter of the front face using Tek screws.

Nominal thickness of powder coating: 70 µm
Nominal total thickness: 3 mm
Nominal density: 2700 kg/m³
Colour: silver

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: 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.

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)	-2.061	0.089

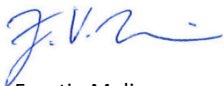
For regulatory purposes these figures correspond to the following indices:

Ignitability Index (0-20) 0	Spread of Flame Index (0-10) 0	Heat Evolved Index (0-10) 0	Smoke Developed Index (0-10) 1
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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: 30 October 2023

Issued on the 16th day of November 2023 without alterations or additions.



Faustin Molina
Testing Officer
End of Report



Stephen Smith
Team Leader, Reaction to Fire Laboratory

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NATA Accredited Laboratory
Number: 165
Corporate Site No 3625

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