

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing

A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031

P.O Box 240, North Melbourne, Victoria 3051

Phone (03) 9371 2400

TEST REPORT

Client : Unience Co Ltd
46 Gwahaksaneop 1-ro, Oksan-myeon,
Heungdeok-gu, Cheogju-si
Chungcheongbuk-do Korea

Test Number : 20-000737
Issue Date : 27/02/2020
Print Date : 2/03/2020

Sample Description Clients Ref : "Alfred Solid"
Prefinished Solid Aluminium Panel
Colour : Classic White (AL-5185), Gunmetal Grey (JY-6135) and Black (JY-6220)
End Use : Architectural Cladding
Nominal Composition : PPG Fluoropolymer Pre-finished 3mm solid aluminium panel
Nominal Mass per Unit Area/Density : 8.1kg/m²
Nominal Thickness : 3mm

AS/NZS 1530.3-1999

Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

Face tested:	Face		
Date tested:	27/02/2020		
	Standard Error		Mean
Ignition time	Nil		Nil min
Flame propagation time	Nil		Nil sec
Heat release integral	Nil		Nil kJ/m ²
Smoke release, log d	0.1517		-2.3051
Optical density, d			0.0067 / metre
Number of specimens ignited:			0
Number of specimens tested:			6
Regulatory Indices:			
Ignitability Index			0 Range 0-20
Spread of Flame Index			0 Range 0-10
Heat Evolved Index			0 Range 0-10
Smoke Developed Index			0-1 Range 0-10

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: Accreditation No. 983
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APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc. (Hons)
MANAGING DIRECTOR

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Ignition is initiated by a pilot flame that is held near, but does not touch the specimen. A material that does not ignite during the standard test may ignite if contacted with a pilot flame during the test.

Smoke Developed Index is reported as 0-1 due to the inability of the smoke measurement equipment to resolve an index of zero.

Each test specimen had an unattached backing of 4.5mm thick fibre reinforced cement board.

Each test specimen was clamped along all sides.

These results only apply to the specimen mounted, as described in this report. The result 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.

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