

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 Fax (03) 9371 2499

TEST REPORT

Client : Coen Composite Wood
5/33 Vulture Street
West End Brisbane QLD 4101

Test Number : 18-005493
Issue Date : 27/09/2018
Print Date : 9/10/2018

Sample Description Clients Ref : "Coen Solid Decking"
Timber Panels
Colour : Natural
End Use : Decking
Nominal Composition : 60% Recycled wood flair, 28% Recycled HDPE, 12% Bonding Agent
Nominal Mass per Unit Area/Density : Approx: 4.4kg/m²
Nominal Thickness : Approx: 25mm

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:	26/09/2018		
	Standard Error	Mean	
Ignition time	0.12	7.64	min
Flame propagation time	Nil	Nil	sec
Heat release integral	4.5	49.0	kJ/m ²
Smoke release, log d	0.0601	-1.4375	
Optical density, d		0.0382	/ metre

Number of specimens ignited: 6
Number of specimens tested: 6

Regulatory Indices:

Ignitability Index	12	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	1	Range 0-10
Smoke Developed Index	3	Range 0-10

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- Mechanical Testing
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: Accreditation No. 983
: Accreditation No. 985
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APPROVED SIGNATORY

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

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Specimens tended to flash before ignition. Ignition was based on the occurrence of a single flash of flame which lasted longer than 10 seconds.

The specimens were mounted to simulate use in an unsupported or free hanging mode. The results may be significantly different when mounted to simulate a wall cladding or upholstery application.

Each test specimen was sandwiched between two layers of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions, stapled through at four points, each 100mm from the centre of the sample and the assembly clamped in four places.

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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