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

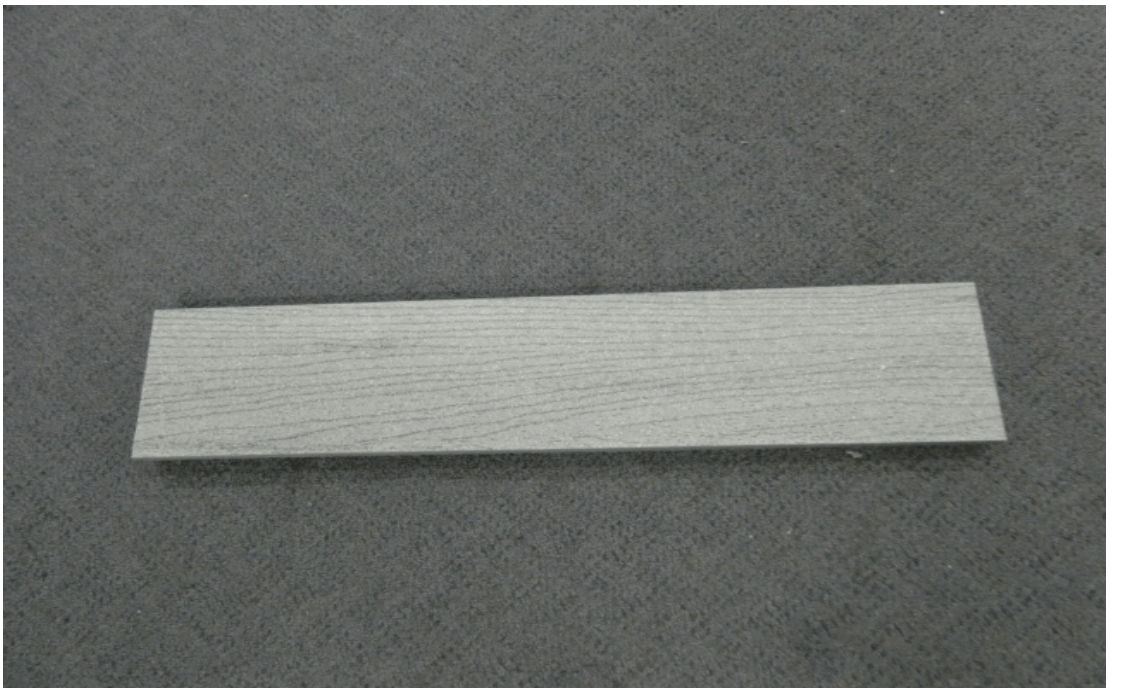
TEST REPORT

Client : Modwood Technologies Pty Ltd
5 Jesica Road
Campbellfield VIC 3061

Test Number : 25-001775
Issue Date : 28/05/2025
Print Date : 28/05/2025

Sample Description

Clients Ref : "Natural Grain Collection 137x23mm decking"
Decking boards
End Use : Decking
Nominal Composition : HDPE/Pinewood
Nominal Mass per Unit Area/Density : 26.3kg/m2
Nominal Thickness : 23mm



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Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.

Fiona McDonald
APPROVED SIGNATORY

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

0204/11/06

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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:	28-05-2025		
	Standard Error	Mean	
Ignition time	0.48	8.08	min
Flame propagation time	7.5	155.8	sec
Heat release integral	3.0	107.9	kJ/m²
Smoke release, log d	0.0646	-0.9474	
Optical density, d		0.1237	/ metre
Number of specimens ignited:		9	
Number of specimens tested:		9	

Regulatory Indices:

Ignitability Index	12	Range 0-20
Spread of Flame Index	3	Range 0-10
Heat Evolved Index	4	Range 0-10
Smoke Developed Index	4	Range 0-10

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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.

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

Each test specimen was restrained on the exposed face by a layer of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions and the assembly clamped along all sides.

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

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