



ARTI FLOOR

AUGUST 16, 2023  
ARTIFLOOR VINYL FLOORING

## TIMBERLAND\_ACOUSTICS TEST

Table 3 – Impact Noise Model (Optimal Slab / Ceiling Construction)

MP Acoustics  
HARD FLOOR IMPACT ISOLATION

Model No.	Floor Covering	Slab / Ceiling	Acoustic Underlay / Substrate	Impact Sound Level $L'_{nT,w}$	AAAC Acoustic Rating	NCC Compliant
M1	4.5mm ARTIFLOOR Vinyl Flooring Blackbutt (Glued)	200mm Slab / 200mm Suspended Ceiling + Insulation + 13mm Plasterboard	-	52	★★★	Yes
M2			3mm Rubber Underlay (Regupol)	40	★★★★★★	Yes
Note:	The threshold of perceivability from a change in noise level for human hearing is acknowledged as a less than 2dB. Where perception of a change in noise level is unnoticeable at $\pm 1$ dB and the human perception of a change in noise level is barely noticeable from $\pm 3$ dB.					

### CONCLUSION

A Hard Floor Impact Isolation Assessment has been conducted for the 4.5mm ARTIFLOOR Vinyl Flooring Blackbutt product floor system. Typical assessment criteria has been detailed for this building in Section 2 of this report.

The noise impact assessment procedure, results of the proposed new flooring system are presented in Section 4. Results revealed that the 4.5mm ARTIFLOOR Vinyl Flooring Blackbutt product floor system assessed in this report are capable of achieving the compliance up to a 6-Star rating when combined with acoustic underlay within an optimal slab / ceiling construction. Further, NCC compliance and up to a 4-Star rating can be achieved within a building containing a 180mm slab with 50mm suspended ceiling.

Please contact us if you have any further queries.

Sincerely,

**Michael Phillips**

Acoustic Engineering Director


M.A.A.S.

MArchSc (Audio & Acoustics), AssocDeg (Audio Eng.

P 0413 904 997

E [michael@mpacoustics.com.au](mailto:michael@mpacoustics.com.au)

W [www.mpacoustics.com.au](http://www.mpacoustics.com.au)

**michael**  
**phillipsacoustics** 

# 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 :** Artifloor  
1 /20 Booran Ridge Drive  
QLD 4114

**Test Number :** 23-003017  
**Issue Date :** 15/08/2023  
**Print Date :** 16/08/2023

### AS ISO 9239.1-2003

#### Reaction to Fire Tests for Floorings. Determination of the Burning Behaviour using a Radiant Heat Source

Date of Sample Arrival 27-07-2023

Date Tested 15-08-2023

CHF Value	1	2	3	Mean
Length	9.5	9.3	9.5	9.4 kW/m <sup>2</sup>
Width	9.6	-	-	- kW/m <sup>2</sup>
Smoke Value	1	2	3	Mean
Length	130	146	138	138 %min
Width	142	-	-	- %min

#### Observations:

Melting Yes  
Blistering Yes

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be sole criterion for assessing the potential fire hazard of the product in use.

Sample was conditioned in accordance with BSEN 13238:2010 at a temperature of 23±2°C and relative humidity of 50±5% for a minimum of 48 hours prior to testing.

Each specimen was clamped to a substrate of 6mm thick fibre reinforced cement board prior to testing.

HF30 not reported as flame out time occurred before 30 minutes.

Results in accordance with section 8.4 have not been included in the report. They are available upon request.

302021

65911

Page 2 of 2



Fiona McDonald

APPROVED SIGNATORY



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

# 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 :** Artifloor  
1 /20 Booran Ridge Drive  
QLD 4114

**Test Number :** 23-003017  
**Issue Date :** 15/08/2023  
**Print Date :** 16/08/2023

**Sample Description** Clients Ref : "Timberland"  
Vinyl flooring  
Colour : Timber look  
End Use : flooring  
Nominal Composition : PVC  
Nominal Mass per Unit Area/Density : 7.6kg/m3  
Nominal Thickness : 4.5mm



302021

65911

Page 1 of 2

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



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