

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 : Serfloor Australia Pty Ltd
3/237 Princes Highway
Hallam VIC 3803

Test Number : 17-001312
Issue Date : 18/04/2017
Print Date : 19/04/2017

Sample Description Clients Ref : "Vinyl Plank Tile SF-6051 "
End Use : Flooring
Nominal Composition : PVC
Nominal Mass per Unit Area/Density : 8.3kg/m²
Nominal Thickness : 5mm

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 22/03/2017
Date Tested 13/04/2017

CHF Value	1	2	3	Mean
Length	6.5	6.7	6.9	6.7 kW/m ²
Width	7.1	-	-	- kW/m ²
Smoke Value	1	2	3	Mean
Length	166	167	163	165 % .min
Width	170	-	-	- % .min

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 13238:2001 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.

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Accredited for compliance with ISO/IEC 17025
- Chemical Testing
- Mechanical Testing
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: Accreditation No. 983
: Accreditation No.

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APPROVED SIGNATORY

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

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TEST REPORT

Client : Serfloor Australia Pty Ltd
3/237 Princes Highway
Hallam VIC 3803

Test Number : 17-001317
Issue Date : 3/04/2017
Print Date : 5/04/2017

Sample Description Clients Ref : "Vinyl plank Tile SF-6051"
Colour : Grey Oak
End Use : Flooring
Nominal Composition : PVC
Nominal Mass per Unit Area/Density : 8.3kg/m²
Nominal Thickness : 5mm

AS 4586-2013 Appendix A

Slip Resistance Classification of new Pedestrian Surface Materials Wet Pendulum Test Method

Date of Test 31/03/2017
Test Temperature (20±5degC) 23 °C
Sample Preparation Washed with PH neutral detergent and dried.
Test Direction Length
Fixed/Unfixed Unfixed
Slider No 96 Batch No 67
Length 1 2 3 4 5 SRV
British Pendulum 29 28 29 28 30 29
Number
Classification P2

Equipment: Cooper Pendulum Skid Tester Serial No: 1433-01 Calibrated 02/09/2015
Slider prepared using P400 and 3µm lapping film.

These results apply only to the specimens tested and it is recommended that before selection of flooring or paving materials the effect of service conditions, including maintenance and wear on their slip resistance be checked.

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OIL-WET INCLINING PLATFORM SLIP RESISTANCE TEST

Vinyl plank/tile - Grey Ash SF6880

Prepared for:	Frank Alper Serfloor Australia Pty Ltd 3/237 Princes Highway HALLAM VIC 3803
Specimen Description:	Vinyl plank/tile - Grey Ash SF6880 , 178x1220 mm.
No. of Specimens:	3 off
Surface Structure:	Structured
Specimen Preparation:	Washed with water and pH neutral detergent, rinsed then dried.
Specimen Configuration:	Unfixed
Test Direction:	Test conducted parallel with surface profile.
Joint Type & Width:	N/A
Air Temperature:	22°C
Test Standard:	AS 4586:2013 Slip resistance classification of new pedestrian surface materials, Appendix D - Oil Wet Inclining Platform Test
Test Shoe:	Lupos Picasso
Test Location:	ATTAR, Unit 1, 64 Bridge Road, Keysborough.
Test Date:	21 April 2017
Test Personnel:	Chris Peake and David Padfield

Displacement Space (rounded to the nearest 0.5cm ³ /dm ²):	Not tested
Displacement Space Assessment Group (Appendix E, AS 4586 - 2013):	Not tested
Corrected mean overall acceptance angle (α_{ave}) (rounded down to the nearest degree):	11°
Classification:	R10

These results apply only to the specimens tested and it is recommended that before selection of flooring or paving materials the effect of service conditions, including maintenance procedures and wear on their slip resistance be checked.

Reviewed By:



David Padfield BEng(mat) Hons., MIEAust,
Senior Materials and Testing Engineer
Approved Signatory



Chris Peake BEng (Mech) Hons,
Mechanical and Testing Engineer
Approved Signatory

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Figure 1: Vinyl plank/tile - Grey Ash SF6880
Arrow indicates direction of testing

CLASSIFICATION CRITERIA – AS 4586 - 2013
Oil Wet Inclining Platform Test – Appendix D

Compliance

TABLE 5: CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS ACCORDING TO THE OIL-WET INCLINING PLATFORM TEST

Classification	Angle, degrees
No Classification	<6
R9	≥6 <10
R10	≥10 <19
R11	≥19 <27
R12	≥27 <35
R13	≥35

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TEST REPORT

Client : Serfloor Australia Pty Ltd
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Test Number : 17-001352
Issue Date : 6/04/2017
Print Date : 6/04/2017

Sample Description Clients Ref : "Vinyl plank/Tile-6051"

Test Method

Carpet Institute of Australian Environmental Certification Scheme incorporating ISO 10580: "Resilient, Textile and Laminate Floor Coverings: Evaluation of Volatile Organic Compound Emissions"

Carpet Institute of Australia Environmental Certification Scheme Spec.	Emission Factor Criterion (24 Hour) $\mu\text{g}/\text{m}^2\cdot\text{h}$	Emission Factor Test Result (24 Hour) $\mu\text{g}/\text{m}^2\cdot\text{h}$
Formaldehyde	<10	<2.3
Acetaldehyde	<20	<2.3
Vinyl Acetate	<400	<1.8
Benzene	<55	<0.9
Toluene	<280	4.0
4-Vinyl cyclohexene	<85	<0.5
Xylenes	<50	11.3
Styrene	<410	<0.5
1-Methyl-2-Pyrrolidone	<300	<90.9
2-Ethyl-1-hexanol	<50	123.3
Octanal	<24	<1.8
Nonanal	<24	<1.8
2-ethylhexanoic	<46	<45.5
Napthalene	<20	<0.9
Caprolactam	<120	47.3
4-Phenylcyclohexene	<50	<0.5
Hydrocarbons (C10-C14)	<300	1016.8
Total Volatile Organic Compound	<500	1807.6

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TEST REPORT

Client : Serfloor Australia Pty Ltd
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Hallam VIC 3803

Test Number : 17-001352
Issue Date : 6/04/2017
Print Date : 6/04/2017

Test specimen size	610 x 180mm, 2 pieces	mm
Test time	24	Hrs
Test temperature	23	°C
Test humidity	50	%
Loading factor	0.22	m ² /m ³
Air exchange	1	/h

Seal and test Sealed with aluminium foil, and the back side of test specimen was placed on an inert glass plate to determine the emission of upper surface

Remarks:

1. Formaldehyd and acetaldehyde were detected using HPLC method with ultraviolet detector, whereas other VOC's substances were detected by Gas chromatography/Mass spectrometry method.
2. In this Gas chromatography/Mass spectrometry method, the scan mode of SIM was employed for caprolactum detection, and TIC for others.

Tested by AWTA-JSIC JinAo Testing Co Limited - China.

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