

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 : 17-001352
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 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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