

# 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 :** Interface Australia Pty Ltd  
34 Airs Road  
Minto NSW 2566

**Test Number :** 16-006244  
**Issue Date :** 19/12/2016  
**Print Date :** 19/12/2016  
**Order Number :** 39266

**Sample Description** Clients Ref : "Interface LVT-Vinyl Tile" 4.5mm, 0.55 Wear Layer with Acoustic Layer

### 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	6.9
Acetaldehyde	<20	<1.3
Vinyl Acetate	<400	1.0
Benzene	<55	<0.5
Toluene	<280	56.4
4-Vinyl cyclohexene	<85	<0.3
Xylenes	<50	13.7
Styrene	<410	<0.3
1-Methyl-2-Pyrrolidone	<300	<50.0
2-Ethyl-1-hexanol	<50	48.9
Octanal	<24	<1.0
Nonanal	<24	<1.0
2-ethylhexanoic	<46	<25.0
Napthalene	<20	<0.5
Caprolactam	<120	<20.0
4-Phenylcyclohexene	<50	<0.3
Hydrocarbons (C10-C14)	<300	283.0
<b>Total Volatile Organic Compound</b>	<b>&lt;500</b>	<b>480.7</b>

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Test specimen size	800 x 250 mm
Test time	24 Hrs
Test temperature	23 °C
Test humidity	50 %
Loading factor	0.4 m <sup>2</sup> /m <sup>3</sup>
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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