

TEST REPORT

APPLICANT : Eco Flooring Australia Pty Ltd.
ADDRESS : 180, Toongabbie Road, Girraween 2145 NSW Australia
SAMPLE DESCRIPTION : SPC FLOORING
STYLE / ITEM NO. : Ornato Hybrid SPC
SUPPLIER : Eco Flooring Systems
COUNTRY OF ORIGIN : China
COUNTRY OF DESTINATION : Australia
SAMPLE RECEIVED DATE : MAR. 14, 2017
TEST PERIOD : MAR. 14, 2017 TO MAY 08, 2017
RESULT SUMMARY :

TEST REQUESTED	RESULT
French VOC Regulation	A+

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****

SIGNED FOR AND ON BEHALF OF
EUROFINS TESTING TECHNOLOGY (SHENZHEN) CO. LTD.



James Luo
VOC Engineer



Jack Lu
Lab & Product Development Manager



This test report is valid for the tested samples only. Without permission of the test center this test report is not permitted to be duplicated in extracts.
This test report does not entitle to carry any safety mark on this or similar products.

General remark:

Sample information provided by customer:

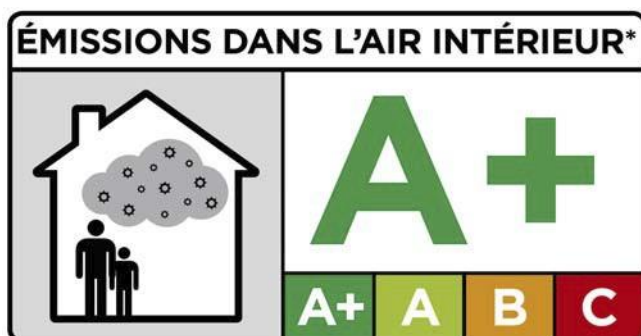
Thickness (mm)	5.0
Mass (kg/m ²)	9.85
Color	Grey-White

Test Method

Method	Principle	Parameter	Detection Limit	Uncertainty
ISO 16000 parts -3, -6, -9, -11	ATD- GC/MS GC/MS	VOC CMR	5 µg/m ³ 1 µg/m ³	17.5% (RSD) U = 2 x RSD= 35%
	HPLC/UV	Volatile aldehydes	5 µg/m ³	16% (RSD) U = 2 x RSD= 32%
Test chamber parameter				
Chamber volume (L):	119	Temperature (°C):	23	Relative humidity (%): 50
Air change rate (per hour):	0.5	Loading ratio (m ² /m ³)	0.4	
Test condition: Sample stayed in test chamber during the whole 28 days testing period.				
Sample preparation				
Edges and back covered with aluminum foil.				

Resulting VOC Emissions Class Label

This recommendation is based on French regulation as published on 25 March 2011 (décret DEVL1101903D) and on 13 May 2011 (arrêté DEVL11044875A). For details please see www.eurofins.com/france-voc.



The tested product **fulfills** the requirements of the French regulation DEVP09908633A of 30 April 2009 and DEVPP0910046A of 28 May 2009. For details please see www.eurofins.com/france-voc.

TO BE CONTINUED

Eurofins Testing Technology (Shenzhen) Co. Ltd.

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Test Result

	Concentration after 28 days $\mu\text{g}/\text{m}^3$	C	B	A	A+
TVOC	<20	>2000	<2000	<1500	<1000
Formaldehyde	<5	>120	<120	<60	<10
Acetaldehyde	<5	>400	<400	<300	<200
Toluene	<5	>600	<600	<450	<300
Tetrachloroethylene	<5	>500	<500	<350	<250
Ethylbenzene	<5	>1500	<1500	<1000	<750
Xylene	<5	>400	<400	<300	<200
Styrene	<5	>500	<500	<350	<250
2-Butoxyethanol	<5	>2000	<2000	<1500	<1000
Trimethylbenzene	<5	>2000	<2000	<1500	<1000
1,4-Dichlorobenzene	<5	>120	<120	<90	<60
CMR compounds		Maximum allowed air concentration			
Benzene	<1	<1			
Trichloroethylene	<1	<1			
Dibutyl phthalate (DBP)	<1	<1			
Diethylhexyl phthalate (DEHP)	<1	<1			

Remark:

< Means less than

> Means higher than

This VOCs test covered only substances that can be adsorbed on Tenax-TA and that can be thermally desorbed and analyzed by gas chromatography mass spectrometric detector. If other emission occurred then these could not be monitored or with limited reliability only. The method is not optimal for very volatile compounds. For these substances small results and a higher uncertainty in the measurement cannot be excluded. VOCs without pure standards were identified by comparison with a mass spectrum obtained from a library. Calibrated as toluene equivalent.

Note:

The chamber test and analyses were done in Eurofins Testing Technology (Shenzhen) Co. Ltd.

Other Information / Remark:

N/A

TO BE CONTINUED

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Photo Attachment

END OF THE REPORT