

VOC Emissions Test report

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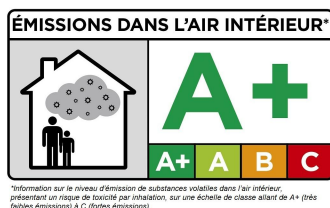
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1. Sample Information

Sample identification	Foundations – Solids
Product type	Acrylic Surface
Batch no.	51252160
Production date	24.02.12
Date when sample was received	30/03/2012
Testing (start - end)	19/04/2012 - 17/05/2012

2. 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 DEVL1104875A). For details please see www.eurofins.com/france-voc



3. Conclusion on CMR emissions

The tested product fulfills the requirements of the French regulation DEVP0908633A of 30 April 2009 and DEVP0910046A of 28 May 2009. For details please see www.eurofins.com/france-voc.

The results are only valid for the tested sample(s).

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4. Test Method

Method	Principle	Parameter	Detection limit	Uncertainty
ISO 16000 parts -3, -6, -9, -11 Internal method numbers: 9810, 9811, 9812, 2808, 8400	GC/MS HPLC/UV	VOC Volatile aldehydes	2 µg/m ³ 3 µg/m ³	22% (RSD)
ISO 16000 parts -3, -6, -9, -11 Internal method numbers: 9810, 9811, 9812, 2808, 8400, 2616	HPLC/UV	4CMR	<1 µg/m ³	Um = 2 x RSD=45 %
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)	1	
Test condition: Sample stayed in test chamber during the whole 28 days testing period.				
Sample preparation				
Edges and back covered with aluminum foil and tape				

5. Results

	Concentration after 28 days $\mu\text{g}/\text{m}^3$	C	B	A	A+
TVOC	220	>2000	<2000	<1500	<1000
Formaldehyde	<3	>120	<120	<60	<10
Acetaldehyde	<3	>400	<400	<300	<200
Toluene	<2	>600	<600	<450	<300
Tetrachloroethylene	<2	>500	<500	<350	<250
Ethylbenzene	<2	>1500	<1500	<1000	<750
Xylene	<2	>400	<400	<300	<200
Styrene	<2	>500	<500	<350	<250
2-Butoxyethanol	<2	>2000	<2000	<1500	<1000
Trimethylbenzene	<2	>2000	<2000	<1500	<1000
1,4-Dichlorobenzene	<2	>120	<120	<90	<60
CMR compounds		Maximum allowed air concentration			
Benzene	<1			<1	
Trichloroethylene	<1			<1	
Dibutylphthalate (DBP) *	<1			<1	
Diethylhex-ylphthalate (DEHP) *	<1			<1	

< Means less than

> Means higher than

* Not a part of our accreditation (EN ISO/IEC 17025:2005) by DANAK (no. 522))



Thomas Neuhaus
Head of product emission test centre



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Analytical Service Manager

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