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Date  
17 July 2013

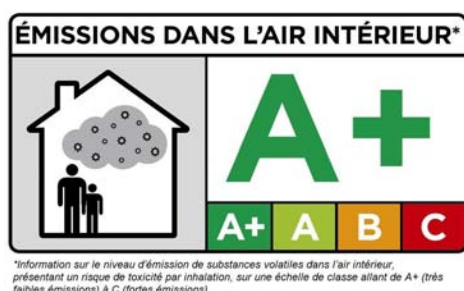
# Testing Report emission rate of VOC (volatile organic compounds)

## 1. Information on the sample

Identification of the sample	Chemfix Styrene Free
Product type	Joint, adhesive
Number of the batch	-
Date of production	-
Date of receipt	22/05/2013
Testing period (start-end)	22/05/2013 - 19/06/2013

## 2. Conclusion regarding the classification of the labeling of emission rate of VOC

This recommendation is based on the French regulations of 23rd March 2011 (prescription DEVL1101903D) and of 19th April 2011 (regulation DEVL1104875A). For further information kindly visit our homepage [www.eurofins.com/france-voc](http://www.eurofins.com/france-voc).



The classification of the emission rate of VOC of the product has been indicated without explicitly considering the uncertainty linked to the result. According to the regulation No. 2011-321 of 23rd March 2011, the indication of the classification of the emission rate of VOC is the sole responsibility of the person – natural person or juristic person – placing the product at the disposal of the French market.

### 3. Testing procedure

Procedure	Principle	Parameters	Quantification Limit	Incertitude	
ISO 16000 parts -3, -6, -9, -11 Internal procedures used: 9810, 9811, 9812, 2808, 8400	GC/MS HPLC/UV	VOC Aldehydes Volatiles	2 µg/m <sup>3</sup> 3 µg/m <sup>3</sup>	22% (RSD) Um = 2 x RSD= 45 %	
<b>Parameters of testing in the room of emission</b>					
Volume of the room, L	119	Temperature, °C	23±1	Relative humidity, %	50±5
Rate of regeneration of the air, 1/h	0,5	Consumption factor, m <sup>2</sup> /m <sup>3</sup>	0,007		
<b>Testing conditions: The sample remains in the emission room during the whole 28 days of the testing period.</b>					
<b>Preparation of the sample</b>					
Thickness in mm:	3				

## 4. Results

	Concentration après 28 jours $\mu\text{g}/\text{m}^3$	C	B	A	A+
VOC rate	7,1	>2000	<2000	<1500	<1000
Formaldehyde	<3	>120	<120	<60	<10
Acetaldehyde	<3	>400	<400	<300	<200
Toluol	<2	>600	<600	<450	<300
Tetrachloroethylene	<2	>500	<500	<350	<250
Methylbenzene	<2	>1500	<1500	<1000	<750
Xylene	<2	>400	<400	<300	<200
Styrene	<2	>500	<500	<350	<250
2-Butoxyethanole	<2	>2000	<2000	<1500	<1000
1,2,4- Trimethylbenzene	<2	>2000	<2000	<1500	<1000
1,4-Dichlorobenzene	<2	>120	<120	<90	<60

< Means below ...

> Means above ...



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