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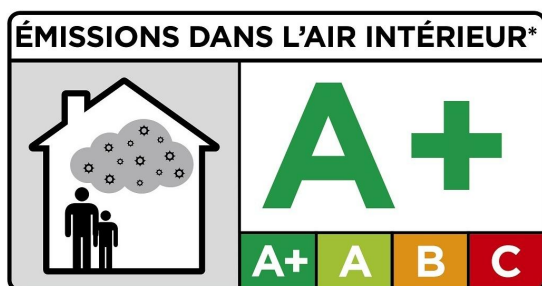
VOC Emissions Test report

1. Sample Information

Sample identification	VC 82/80 01-05 V
Product type	Damp-proof membrane
Batch no.	07401454
Production date	09.08.2012
Date when sample was received	04/09/2012
Testing (start - end)	07/09/2012 - 10/09/2012

2. Resulting VOC Emissions Class Label

This recommendation is based on French regulation of March 23, 2011 (décret DEVL1101903D) and of April 19, 2011 (arrêté DEVL1104875A). For details please see www.eurofins.com/france-voc



*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

The product was assigned a VOC emission class without taking into account the measurement uncertainty associated with the result. As specified in French Decree no. 2011-321 of March 23, 2011, correct assignment of the VOC emission class is the sole responsibility of the party responsible for distribution of the product in the French market.

3. Test Method

Method	Principle	Parameter	Quantification 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 4 µg/m ³	22% (RSD) Um = 2 x RSD= 45 %	
Test chamber parameter					
Chamber volume, l	119	Temperature, °C	23±1	Relative humidity, %	50±5
Air change rate, 1/h	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					
-					

4. Results

	Concentration after 28 days $\mu\text{g}/\text{m}^3$	C	B	A	A+
TVOC	12	>2000	<2000	<1500	<1000
Formaldehyde	<4	>120	<120	<60	<10
Acetaldehyde	<4	>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

< Means less than
> Means higher than



Dr. Arja Valtanen
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