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Analysis of Emission of VOC and Formaldehyde from Untreated Suspended Ceiling Panels

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435709

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435709-2 lwf/twi/hbs

1. Summary

Assignor:	Knauf, Danoline A/S Kløvermarksvej 6 DK 9500 Hobro	
Assignment:	Analysis of emission of Volatile Organic Compounds (VOCs) and For- maldehyde from Untreated panels according to République Française, Ministére de l'écologie du développement durable, des transports et du lodgement: DECREE no 2011-321 of 23 rd March 2011.	
	The test material was received 2011.05.26 packed in cardboard.	
Testing:	From the material samples two test specimens were cut, placed back to back and all edges sealed with aluminium tape. The chamber testing was initiated 2011.06.14 and completed 2011.07.12.	
Test Method	O 16000-9: Indoor Air – Part 9: Determination of the emission of vola- e organic compounds from building products and furnishing - Emission at chamber method.	
Test Result:	The concentration of VOCs and aldehydes measured after 28 days and calculated as ceiling in a model room of 30 m^3 with an air change rate of	

Untreated Pa	Requirements	
	μg/m ³	fulfilled
Formaldehyde	9.6	A+ (<10)
Acetaldehyde	2	A+ (<200)
Toluene	Not detected	A+ (<300)
Tetrachloroethylene	Not detected	A+ (<250)
Xylene	Not detected	A+ (<200)
1,2,4-Trimethylbenzene	Not detected	A+ (<1000)
1,4-Dichlorobenzene	Not detected	A+ (<60)
Ethylbenzene	Not detected	A+ (<750)
2-Butoxyethanol	Not detected	A+ (<1000)
Styrene	Not detected	A+ (<250)
TVOC	18	A+ (<1000)

0.5 h-1 and with a material load of 12 m²

The results of the individual VOCs are shown on page 6. The result fulfils the requirements according to criteria A+.

Results from the testing and statement of the applied methods are stated on pages 4-7 and concern the tested specimens only. Extracts from the report may only be published, if the laboratory has approved the extract.

Date/place:

2011.12.06, Danish Technological Institute, Indoor Environment, Taastrup Revised 2011.12.19. This report replaces all previous for this sample

is Windher Fund

Lis Winther Funch Test responsible

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