

Kaindl Flooring GmbH
Mr. Olaf Schwaiger
Kaindlstraße 2

A 5071 Wals/Salzburg

Austria

Dresden, 2012-01-10
50-br/ku

Test Report Order number 251195/3

Customer:

Kaindl Flooring GmbH
Kaindlstraße 2
A 5071 Wals/Salzburg

Date of order:

2011-07-06

Order:

Determination of the VOC and formaldehyde emission
according to AgBB scheme, ISO 16000 part 3, 6 and
9 –surveillance test

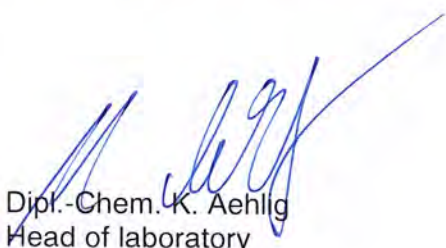
Wood flooring Real Wood Flooring exotics 10.5

Contractor:

EPH – Laboratory chemical testing

Engineer in charge:

Dipl.-Ing. M. Broege



Dipl.-Chem. K. Aehlig
Head of laboratory
Chemical testing

The test report consists of 3 pages and 9 enclosures. Every extract duplication of the test report requires a permission from the EPH. The test results are only related to the tested material.

1. Assignment

The VOC and formaldehyde emission has to be determined according to the AgBB scheme – surveillance test.

2. Sample

Name: **wood flooring Real Wood Flooring exotics 10.5**
Series: Kaindl Floors
Article number: H10259LM Satin Nuss

3. Characterization

Type: wood flooring
veneered, direct printed
Thickness: 10 mm

4. Sample-taking

Charge: 13011
Production date: 2011-05-10
Sampling: is taken from the contractor from stock
Sampling date: 2011-05-27
Packing material: original packing
Number of samples: 1 package
Sample receipt at EPH: 2011-05-30

5. Emission measurement

Chamber test – ISO 16000 part 9

The test piece (0.09 m²) was prepared and put down on the bottom of the chamber under the following test conditions:

Temperature: 23 °C ± 1 K
Air humidity: 50 % ± 5 %
Air exchange rate: 0.5 /h ± 0.1 /h
Stored total surface: 0.4 m²/m³
Chamber volume: 0.225 m³

Date of storage: 2011-06-07

During the test performance the climatic parameters temperatur and relative air humidity were noted. Datas of the chamber test are documented on the extra sheet "Test parameter".

6. Analysis

Volatile organic compounds (VOC) – ISO 16000 part 6

The determination of the VOC was carried out gas chromatographic after previous adsorption on tenax and following thermodesorption with cryofocussing (GC-MS).

Sample air volume: 1 – 4 l

- | | | |
|----------------|--------------|----------------------|
| 1. Measurement | after 3 days | Double determination |
| 2. Measurement | after 7 days | Double determination |

Formaldehyde/Aldehydes – ISO 16000 part 3

The determination of formaldehyde and other aldehydes was carried out applying DNPH-method.

Sample air volume: 120 l

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|----------------|-----------|----------------------|
| 1. Measurement | after 3 d | double determination |
| 2. Measurement | after 7 d | double determination |

7. Results

VOC-emissions

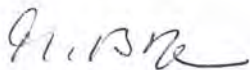
Following printouts are enclosed:

Sampling protocol
General information
Test parameter
Evaluation
Compounds after 3 d
Compounds after 7 d
Photo
Chromatogram after 3 d
Chromatogram after 7 d

Formaldehyd emission

- | | | |
|----------------|-------------|--------------|
| 1. Measurement | 0.006 ppm | after 3 days |
| 2. Measurement | < 0.005 ppm | after 7 days |

The tested product wood flooring Real Wood Flooring exotics 10.5 meets the requirements of the AgBB scheme.



Dipl.-Ing. M. Broege
Engineer in charge