

Return address: P.O. box 337, 7500 AH Enschede, The Netherlands

Forbo Flooring B.V.  
Att.: Mr. K. Brocke  
P.O. Box 13  
1560 AA  
KROMMENIE  
The Netherlands

TÜV Rheinland Nederland B.V.  
The Netherlands

Postal address:  
P.O. Box 337  
7500 AH Enschede

Parking and delivery:  
Josink Esweg 10  
7545 PN Enschede

[www.tuv.com/nl](http://www.tuv.com/nl)

T +31 88 888 7888  
F +31 88 888 7859

[Jan.brinks@nl.tuv.com](mailto:Jan.brinks@nl.tuv.com)  
[llse.pierik@nl.tuv.com](mailto:llse.pierik@nl.tuv.com)

### **Report**

Project number : 89202921  
Report number : 89202921.06br

**Date**  
11 January, 2013

### **Received:**

A sample of resilient floor covering, linoleum marked as:  
"Marmoleum Ohmex"; TÜV sample reference: MT12-36743.06.

**Project number**  
89202921

### **Product information received from the applicant:**

Colour number : 73055  
Identification number : 01.79115.180  
Total thickness : 2.50 mm

**Report number**  
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### **Sampling Procedure:**

The sample have all been prepared, cut out and fixed with Eurocol Eurostar Lino Plus 614 on a wooden fibre board. The test house has had no influence on the sampling.

**Phone number client**  
+31 75 547 7604

**Fax number client**  
+31 75 647 7711

### **Request:**

Classification of burning behaviour according to EN 13501-1:2007.

**Article**  
Marmoleum Ohmex

### **Test method:**

Reaction to fire (radiant panel) : EN ISO 9239-1.

**Appendix**  
I : Flooring Radiant Panel Single  
Specimen Report – 8 pages

Ignitability (direct impingement of flame) according to EN ISO 11925-2 has not been performed; According to EN 14041:2004, table 3 decorative and plain linoleum with following identification parameter:-

- Minimum mass ( $\text{kg/m}^2$ ) of 2.3
- Maximum mass ( $\text{kg/m}^2$ ) of 4.9 and an
- Overall thickness of minimal 2.0,

shall receive a  $E_{fl}$  classification without-further-testing (CWFT).

TRN applies General Terms & Conditions  
which are filed at the office of the Clerk for  
civil affairs at the Court in Zutphen (the  
Netherlands) under number 35/2010,  
dated November 17th 2010.

### **Results:**

See page two.

### **Appendix:**

See page three up to and including ten.

**TEST RESULTS**

 ➤ *Radiant Panel test ISO 9239-1:2010*

Date of testing : 17-12-2012  
 Conditioning time, climate : 3 days, 23 ± 2 °C and 50 ± 5 %  
 Description of substrate : Wooden fibre board, conforming to EN 13238.  
 Sampling procedure : By contractor.  
 Description of cleaning used : None.  
 Fixing method : Fixed by contractor with  
 Eurocol Eurostar Lino Plus 614

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Test specimen, orientation	Flame spread (cm)	CRF (kW/m <sup>2</sup> )	Peak light attenuation (%)	Smoke production (%.min)
* 1, ↑	32.0	6.9	34.1	241
* 2, ⊥	33.5	6.6	35.6	228
* 3, ⊥	35.0	6.2	33.9	257
4, ⊥	35.0	6.2	38.6	258
<b>Mean<sub>2-4</sub></b>	<b>34.5</b>	<b>6.3</b>	<b>36.0</b>	<b>248</b>

Remarks: No flashing, transitory- or sustained flaming observed.  
 \* the tested specimen extinguished naturally.

**CONCLUSION**

According to EN 13501-1:2007 the tested sample of the aforementioned quality **Marmoleum Ohmex** meets the requirements of **Class C<sub>n</sub> - s1**.

Statements:

The test results only relate to the behaviour of the test specimens of the examined product under the particular conditions of the test in laboratory conditions; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. The method might not be suitable if the product is exposed to much larger flames or heat radiant sources.

The validity of this report will expire five years after its issue or directly after alterations or modifications of the examined product (combination)(s) and/or the criteria. This report shall not be reproduced, except in full, without the written approval of the testing laboratory.

Author:  
 Mrs. I. Pierik

Review:  
 Mr. J. Brinks

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