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Amtsgericht Aachen HRB8157 • VAT No.: DE209411312

Sparkasse Aachen • BIC: 390 500 00 • A/C: 1331222

IBAN: DE2239050000001331222 • SWIFT: AACSD33

Managing Director:

Dr. Ernst Schröder • Dr. Helmut Klingenberger

## Report No. 370116-04

Fire behaviour classification report according to EN 13501-1:2007

### 1 Order

Classification of a construction product in accordance with EN 13501-1:2007.

### 2 Procedure

Trade name ..... Sample TC  
Order by ..... Lusotufo s.a.  
Order of ..... 25.01.2007  
Your reference ..... Cristina Rocha  
Test official at TFI ..... Dipl.-Ing. Thomas Brunke, extension -132



**3 Short sample description**

Construction product..... textile floor covering  
 Type of manufacture..... tufted  
 Type of surface..... loop pile  
 Colouring / patterning..... plain  
 Fibre composition of use surface ..... 100% wool  
 Type of backing ..... woven textile backing (natural)  
 TFI reference n°..... 07-01-0125

The construction product is fully described in the test-report, mentioned under section 4, and its annex KM.

**4 Test-Reports and test results used for the classification**

**4.1 Test-Reports**

name of the lab	ordered by	Test-Report No.	Test methods
TFI GmbH	Lusotufo s.a.	370116-03	EN ISO 9239-1:2002
			EN ISO 11925-2:2002 (15 s ignition time)

**4.2 Test results**

Test methods	characteristics	number of tests	Test results	
			average	requirement met (Y/N)
EN ISO 9239-1:2002	critical radiant flux (kW/m <sup>2</sup> )	3	5,3	
	smoke development (% x min)		95	
EN ISO 11925-2:2002	charred distance ≤ 150 mm	6	-	Y

## 5 Classification and end-use application

### 5.1 Reference

The tested product is classified in accordance with section 12 and 14.2 of the standard EN 13501-1:2007.

### 5.2 Classification

With regard to the fire behaviour the tested construction product is classified: **C<sub>fl</sub>**

Additionally, with regard to the smoke development the tested construction product is classified: **s1**

The tested construction product thus obtains following classification:

burning behaviour		smoke development	
C <sub>fl</sub>	-	s	1

i.e. **C<sub>fl</sub>-s1**

### 5.3 End-use application

The classification is only valid for the construction product, as described under sections 2.,3. and 4., used as a horizontal floor covering installed on a mineral substrate according to EN 13238:2001, either using adhesives or not.

## 6 Restrictions

This classification report replaces neither a type-test report nor a product certification.

Aachen, 23.04.2007



Dr. Helmut Klingenberg

- director test institute -

The present test report is established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the Textiles & Flooring Institute GmbH, also with regard to the order execution.



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**DUPLICATE**  
**Report No. 370116-04**

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**2 Procedure**

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Order of ..... 25.01.2007  
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The tested construction product thus obtains following classification:

burning behaviour		smoke development		
<b>C<sub>fl</sub></b>	-	<b>s</b>	<b>1</b>	i.e. <b>C<sub>fl</sub>-s1</b>

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*H. Klingenberg*  
Dr. Helmut Klingenberg

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