

**VEBE FLOORCOVERINGS B.V.**

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**Date**

18/06/14

## **TEST REPORT 14-456B**

**Samples received :**

Metal VL  
Lab order 14.2073  
Received on 22/05/2014

**Aim of the test :**

Fire behaviour

**Test conditions :**

***Fire Behaviour***

Standard:

**EN ISO 9239-1 (2010)\***

Method:

Before the test the samples are **not cleaned** with a spray-extraction machine. A floorcovering is glued (with UZIN UZ57) to a fibre cement board. During the test, the specimen is irradiated by a gas radiator at an angle of 30°. A small flame is used to ignite the specimen. The specimen is ignited during 10 minutes. In case of inflammable specimens, the test lasts until the flame is extinguished, but 30 minutes at the most. The criterion is the burned length, from which the critical radiant flux is deduced using a calibration curve.

*The test EN 11925-2 has not been performed because the floorcovering fulfills the requirements of EN 14041 section 4.1.4 table 2. The floorcovering has a total mass of 1720 g/m<sup>2</sup> and a pile thickness of 4.0 mm as declared by the customer.*

Number of tests:

4

Measurement  
uncertainty:

The relative reproducibility for 3 repetitions is 15.6% for the flux, 84.5% for the smoke development.

Conditioning samples: 23 ± 2 °C and 50 ± 5 % R.H.

The tests were performed in week 23/2014

## **OBTAINED RESULTS**

Specimen number	1 Length	2 Width	3 Length	4 Length	Average Specimens 1,3,4
Flame spread after 10 min (mm)	150	140	155	170	
Flame spread after 20 min (mm)	200	145	160	170	
Flame spread after 30 min (mm)	260	240	160	280	
Flame spread at extinction (mm)	260	240	160	280	
Flame time	30min 0s	30min 0s	17min 15s	30min 0s	
Critical heat flux CHF at extinction (kW/m <sup>2</sup> )	8.0	8.4	9.9	7.6	8.5
Total smoke production at end of test (%.min)	376	420	97	512	328

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## **ENCLOSURE TO REPORT 14-456B**

**Classification according to EN 13501 –1 (2007 + A1: 2009)\***

<b>Classification</b>	<b>EN ISO 11925-2 (ignition time = 15 s)</b>	<b>EN ISO 9239-1 (test period = 30 min)</b>	<b>CLASS</b>
B <sub>fi</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 8.0 kW/m <sup>2</sup>	X
C <sub>fi</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 4.5 kW/m <sup>2</sup>	
D <sub>fi</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 3.0 kW/m <sup>2</sup>	
E <sub>fi</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	No demand	
F <sub>fi</sub>	No demand	No demand	

**Additional classification smoke development according to EN 13501-1 (2007 + A1:2009)\***

		<b>CLASS</b>
Smoke development ≤ 750%.min	s1	X
Smoke development > 750%.min	s2	