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## TEST REPORT 13-580A

**Samples received :**

Wood Plastic Composite (WPC) 10 mm  
Received on 30/07/2013

**Aim of the test :**

Determination of fire behaviour

**Test conditions :**

**Fire Behaviour**

Standard:  
Method:

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

Before the test the samples are **not cleaned** with a spray-extraction machine.  
A floorcovering is **put on** (loose laid) a fibre cement board (Eflex). 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 tabel 3. The floorcovering has a total density of  $1290 \pm 50 \text{ kg/m}^3$  and a total thickness of 10 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:  $23 \pm 2 \text{ }^\circ\text{C}$  and  $50 \pm 5 \text{ \% R.H.}$

The tests were performed in week 33/2013

The test results only apply to materials that correspond to the tested sample. Forgery will be legally prosecuted, just like partial reproduction without prior written permission. Tests that are marked \*are accredited. Advices and interpretations are not covered by the accreditation.  
The department of Textiles is Notified laboratory n°1611 for the European Products Regulation N° 305/2011.



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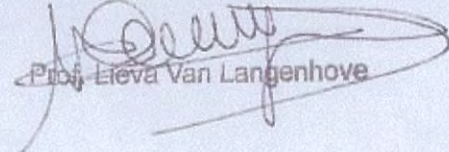
**OBTAINED RESULTS**

Specimen number	1 Length	2 Width	3 Length	4 Length	Average Specimens 1,3,4
Flame spread after 10 min (mm)	150	155	185	200	
Flame spread after 20 min (mm)	225	160	240	265	
Flame spread after 30 min (mm)	225	160	240	265	
Flame spread at extinction (mm)	225	160	240	265	
Flame time	14min 42s	13min 54s	16min 27s	18min 30s	
Heat flux at 30min (kW/m <sup>2</sup> )	8.9	10.1	8.6	8.1	8.5
Total smoke production at end of test (%.min)	749	497	651	703	701



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## ENCLOSURE TO REPORT 13-580A

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

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

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

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