UNIVERSITEIT GENT

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contact	**e-mail**	**Date**
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TEST REPORT 14-1193

Samples received :

PVC planks 2.5 mm gauge with 0.55 mm wear layer
EurofinsDK14008
Received on 5/12/2014

Aim of the test :

Determination of the fire behaviour

Test conditions :

Fire Behaviour

Standard:	**EN ISO 9239-1 (2010)***
Method:	Before the test the samples are **not cleaned**. A floorcovering is put on (loose laid) 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 3. The floorcovering has a total mass of 4438 g/m² and a total thickness of 2.5 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 2/2015.

BELAC ISO/IEC17025 055-test

OBTAINED RESULTS

Fire Behaviour

Specimen number	1 Length	2 Width	3 Width	4 Width	Average Specimens 2,3,4
Flame spread after 10 min (mm)	120	125	115	120	
Flame spread after 20 min (mm)	120	125	115	120	
Flame spread after 30 min (mm)	120	125	115	120	
Flame spread at extinction (mm)	120	125	115	120	
Flame time	12min 0s	12min 6s	12min 0s	12min 0s	
Heat flux at 30min (kW/m^2)	10.5	10.4	10.6	10.5	10.4
Total smoke production at end of test (%.min)	335	351	297	365	337

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