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TEST REPORT 15-749

Samples received :

I1 - article WBRB075767
Received on 20/08/2015

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 **glued** (with solventfree glue) to a wooden 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 1800 g/m² and a total thickness of 2.6 mm as declared by the customer.

Number of tests: 3

Measurement uncertainty: The relative reproducibility for 3 repetitions is 13% for the flux, 59% for the smoke development.

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

The tests were performed in week 36/2015.

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.

OBTAINED RESULTS

Fire behaviour

Specimen number	1	2	3	Average
Flame spread after 10 min (mm)	300	315	305	
Flame spread after 20 min (mm)	300	315	305	
Flame spread after 30 min (mm)	300	315	305	
Flame spread at extinction (mm)	300	315	305	
Flame time	12min 48s	12min 0s	12min 33s	
Heat flux at 30min (kW/m ²)	7.3	7.0	7.2	7.2
Total smoke production at end of test (%.min)	321	235	456	337

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Head of Department

ENCLOSURE TO REPORT 15-749

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)	PROBABLE CLASS
B _{fl}	F _s ≤ 150 mm in 20 s	Critical flux ≥ 8.0 kW/m ²	
C _{fl}	F _s ≤ 150 mm in 20 s	Critical flux ≥ 4.5 kW/m ²	X
D _{fl}	F _s ≤ 150 mm in 20 s	Critical flux ≥ 3.0 kW/m ²	
E _{fl}	F _s ≤ 150 mm in 20 s	No demand	
F _{fl}	No demand	No demand	

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

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