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Date
20/02/13

TEST REPORT 13-037

Samples received :

Cobalt Action Backing
Received on 21/01/2013

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 **glued** (with solventfree glue) to 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 page 8 section 4.1.4 table 2. The floorcovering has a
total mass of 1650 g/m² and a pile thickness of 3.5 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 6/2013

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, those marked ° are not accredited. Advices and interpretations are not covered by the accreditation.

The department of Textiles is Notified laboratory n°1611 for the European Products directive 89/106/EC.


OBTAINED RESULTS

Specimen number	1 Length	2 Width	3 Length	4 Length	Average Specimens 1,3,4
Flame spread after 10 min (mm)	80	90	110	120	
Flame spread after 20 min (mm)	160	130	165	195	
Flame spread after 30 min (mm)	160	130	165	195	
Flame spread at extinction (mm)	160	130	165	195	
Flame time	17min 51s	13min 30s	15min 54s	19min 45s	
Critical heat flux CHF at extinction (kW/m ²)	9.8	10.4	10.0	9.5	9.7
Total smoke production at end of test (%.min)	56	36	77	96	76



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ENCLOSURE TO REPORT 13-037

*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 _{fl}	F _s ≤ 150 mm in 20 s	Critical flux ≥ 8.0 kW/m ²	X
C _{fl}	F _s ≤ 150 mm in 20 s	Critical flux ≥ 4.5 kW/m ²	
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)**

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