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TEST REPORT 16-0573-01

Samples received :

Name	*Date of receipt*
Portal lever = Bicolor Pile material : 100% PA6 Surface structure : cut pile Primary backing : PET/PA6 Secondary backing : PVC Total mass : 3600 g/m² Total thickness : ca. 8.5 mm Surface pile thickness : ca. 6.5 mm	13/05/2016

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)** 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 3600 g/m², a pile thickness of ca. 6.5 mm and a pile composition of 100% PA6, as declared by the customer.

Number of tests: 4

BELAC ISO/IEC17025 055-test

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 24/2016

OBTAINED RESULTS

Specimen number	1 Length	2 Width	3 Length	4 Length	Average Specimens 1,3,4
Flame spread after 10 min (mm)	200	200	215	220	
Flame spread after 20 min (mm)	305	300	320	320	
Flame spread after 30 min (mm)	390	390	420	400	
Flame spread at extinction (mm)	390	390	420	400	
Flame time	30min 0s	30min 0s	30min 0s	30min 0s	
Heat flux at 30min (kW/m²)	5.5	5.5	5.0	5.3	5.3
Total smoke production at end of test (%.min)	431	421	445	496	457

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Head of Department

ENCLOSURE TO REPORT 16-0573-01

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}	Fs ≤ 150 mm in 20 s	Critical flux ≥ 8.0 kW/m²	
C_{fl}	Fs ≤ 150 mm in 20 s	Critical flux ≥ 4.5 kW/m²	**X**
D_{fl}	Fs ≤ 150 mm in 20 s	Critical flux ≥ 3.0 kW/m²	
E_{fl}	Fs ≤ 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	