



TEST REPORT 17-1122-01

Samples received :

Name	Date of receipt
Faro Pile material : polypropylene Surface structure : cut pile Primary backing : polypropylene Secondary backing : PVC Total mass : 2710 g/m ² Total thickness : 7 mm Surface pile thickness : 5 mm	15/09/2017

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 2710 g/m², a pile thickness of 5 mm and a pile composition of 100% polypropylene, as declared by the customer.

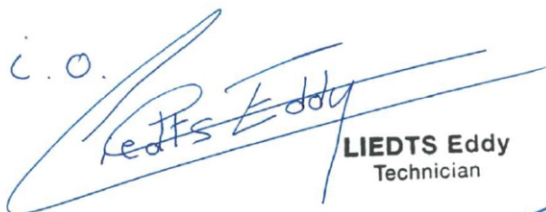
Number of tests: 4
Conditioning 23 ± 2 °C and 50 ± 5 % R.H.
samples:

The tests were finished in week 41/2017.

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)	445	445	410	420	
Flame spread after 20 min (mm)	520	520	485	495	
Flame spread after 30 min (mm)	550	555	535	540	
Flame spread at extinction (mm)	550	555	535	540	
Flame time	30min 0s	30min 0s	28min 18s	30min 0s	
Heat flux at 30min (kW/m ²)	3.2	3.1	3.4	3.3	3.3
Total smoke production at end of test (%.min)	456	625	582	610	605

C.O.

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ENCLOSURE TO REPORT 17-1122-01

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/m ²	
C _{fl}	Fs ≤ 150 mm in 20 s	Critical flux ≥ 4.5 kW/m ²	
D _{fl}	Fs ≤ 150 mm in 20 s	Critical flux ≥ 3.0 kW/m ²	X
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	