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ORIENTATING TEST REPORT 13-1065A

Samples received :

Quality 5mm LVT Pergo
Received on 16/12/2013

Aim of the test :

Determination of fire behaviour

Test conditions :

Fire Behaviour

Standard:	**EN ISO 9239-1 (2010)***
Method:	Before the test the samples are **not cleaned** with a spray-extraction machine. A floorcovering is **put on** (loose laid) to a fibre cement board by the customer. 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.
Number of tests:	2
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 2/2014.

BELAC ISO/IEC17025 055-test

OBTAINED RESULTS

Specimen number	Length	Width
Flame spread after 10 min (mm)	155	155
Flame spread after 20 min (mm)	155	155
Flame spread after 30 min (mm)	155	155
Flame spread at extinction (mm)	155	155
Flame time	12min 12s	16min 54s
Critical heat flux CHF at extinction (kW/m²)	10.2	10.2
Total smoke production at end of test (%.min)	303	283

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ENCLOSURE TO REPORT 13-1065A

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

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