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Date
10/01/13

TEST REPORT 11-626

Translation

Samples received :

Reference BE DIFFERENT
Received on 28/07/2011

Aim of the test :

Determination of fire behaviour

Test conditions :

Fire Behaviour

Standard:

EN ISO 9239-1 (2002)*

Method:

Before the test the samples are **not cleaned** with a spray-extraction machine. A floorcovering is put on (loose laid) 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 carpet has a total mass of 3165 g/m² and a pile thickness of 4.0 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 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.

Classification according to EN 13501 –1 (2002)°

Classification	EN ISO 11925-2 (ignition time = 15 s)	EN ISO 9239-1 (test period = 30 min)
B _{fi}	Fs ≤ 150 mm in 20 s	Critical flux ≥ 8.0 kW/m ²
C _{fi}	Fs ≤ 150 mm in 20 s	Critical flux ≥ 4.5 kW/m ²
D _{fi}	Fs ≤ 150 mm in 20 s	Critical flux ≥ 3.0 kW/m ²
E _{fi}	Fs ≤ 150 mm in 20 s	No demand
F _{fi}	No demand	No demand

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

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

The tests were performed in week 31/2011

OBTAINED RESULTS

a) Critical Flux :

Sample	Burned length (mm)		
	after 10 min	after 20 min	after 30 min
width	345	345	345
length	350	350	350
length	355	355	355
length	345	345	345
Average (of lengths)	350	350	350

Sample	Burned length maximum (mm)	Extinction (s)	Critical Flux (kW/m ²)
width	345	726	6.3
length	350	723	6.2
length	355	720	6.1
length	345	723	6.3
Average (of lengths)	350	-	6.2

b) Smoke development:

Sample	Smoke development (%min)			Smoke development (%min)
	after 10 min	after 20 min	after 30 min	Maximum
width	272	286	286	286
length	267	273	273	273
length	256	262	262	262
length	276	288	288	288
Average (of lengths)	266	274	274	274

Classification

It can be deduced from the results that the quality **BE DIFFERENT** meets the requirements for the class **C_{fl} s1** according to EN 13501-1°.

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