

contact

Didier Van Daele

e-mail

didier.vandaele@UGent.be

Date

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TEST REPORT 15-1062B3
Supplement of test report 15-1062B2 of 11/12/2015

Samples received :

Artificial turf **CG-Fair (without infill)**

Received on 3/11/2015

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.

declared by the customer.

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 3. The floorcovering has a total mass of 1000 g/m² and a total thickness of 22.5 mm as declared by the customer.

Number of tests: 4

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 49/2015.

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)	275	370	360	415	
Flame spread after 20 min (mm)	390	415	410	440	
Flame spread after 30 min (mm)	390	415	410	440	
Flame spread at extinction (mm)	390	415	410	440	
Flame time	23min 0s	20min 42s	18min 51s	18min 57s	
Critical heat flux CHF at extinction (kW/m ²)	5.6	5.2	5.3	4.8	5.1
Total smoke production at end of test (%.min)	131	179	207	230	205

Didier Van Daele
Head of floorcovering/fire tests

Prof. Dr. Paul KIEKENS, dr. h. c.
Head of Department

ENCLOSURE TO REPORT 15-1062B3

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 _{fi}	F _s ≤ 150 mm in 20 s	Critical flux ≥ 8.0 kW/m ²	
C _{fi}	F _s ≤ 150 mm in 20 s	Critical flux ≥ 4.5 kW/m ²	X
D _{fi}	F _s ≤ 150 mm in 20 s	Critical flux ≥ 3.0 kW/m ²	
E _{fi}	F _s ≤ 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)*

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