

Contact
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date
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TEST REPORT 19-0560-04

Samples received :

Name	Date of receipt
Group 1 Products with top foam, back foam and thermal PUR	06/06/2019
Exclusive 300+ (C1)	Exclusive 260 (B5)
ICONIK 300+ (C1)	ICONIK 260+ (B5)
Essentials 400 (B1)	Essentials 260 (B6)
ICONIK 400 (B1)	ICONIK 260 (B6)
Exclusive 300 (B4)	Essentials 200 (B7)
Essentials 300 (B4)	Cushion Grip (B7)
ICONIK 300 (B4)	ICONIK 200 (B7)
TX Classic (I1)	Universe 150 (G1)
Equinox (I1)	Exclusive 150 (G2)
Exclusive 240 (F2)	Essentials 150 (G2)
ICONIK 240 (F2)	ICONIK 150 (G2)
ICONIK 260S (Special I5)	

Aim of the test : Determination of the fire behaviour

Test conditions :

Small flame test

Standard: **ISO 11925-2 (2010 + AC 2011)***

Method: The use surface of a vertically put specimen placed (loose laid) on a fibre cement board (according to EN 13238) is ignited by a propane gas flame. Under condition of a surface flame attack with 15 s exposure time, there shall be no flame spread in excess of 150 mm vertically from the point of the test flame within 20 s from the time application.

If the boundary line is not reached within 20 s, the sample meets the requirements for the class E_{fl}.

Number of tests: 3 lengthwise and 3 crosswise

Conditioning 23 ± 2 °C and 50 ± 5 % R.H.

samples:

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. Advices and interpretations are not covered by the accreditation.

Fire Behaviour

Standard:

EN ISO 9239-1 (2010)*

Method:

Before the test the samples are **not cleaned**.

A floorcovering is **glued** (with solventfree glue) **to a wooden plate**. 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: 4

Conditioning 23 ± 2 °C and 50 ± 5 % R.H.

samples:

The tests were finished in week 29/2019.

OBTAINED RESULTS

Small flame test

Ignition time : 15 s

Lengthwise

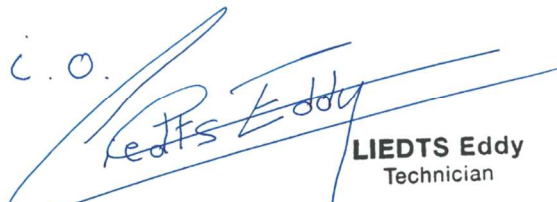
Sample	Burning time (s)	After glowing time (s)	Boundary line reached within 20 s
1	16	-	no
2	15	-	no
3	17	-	no

Crosswise

Sample	Burning time (s)	After glowing time (s)	Boundary line reached within 20 s
1	18	-	no
2	19	-	no
3	17	-	no

Fire behaviour

Specimen number	1 Length	2 Width	3 Width	4 Width	Average Specimens 2,3,4
Flame spread after 10 min (mm)	220	320	310	320	
Flame spread after 20 min (mm)	270	320	310	320	
Flame spread after 30 min (mm)	270	320	310	320	
Flame spread at extinction (mm)	270	320	310	320	
Flame time	19min 12s	14min 15s	13min 48s	13min 42s	
Critical heat flux CHF at extinction (kW/m ²)	7.8	6.8	7.0	6.8	6.9
Total smoke production at end of test (%.min)	208	165	133	189	162

C.O.

LIEDTS Eddy
 Technician

Didier Van Daele
 Head of Floor covering and Fire Tests



Prof. Dr. Paul KIEKENS, dr. h. c.
 Director

ENCLOSURE TO REPORT 19-0560-04

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