



Mr Firat Kan
Tarkett Holding GmbH
Granastr. 122
54329 KONZ
GERMANY

Technologiepark 70A, B-9052 Gent
T +32 9 264 57 35 - F +32 9 264 58 46
www.textiles.ugent.be - textiles@ugent.be

Udifloor 2024 BALEARES

Contact

Didier Van Daele

e-mail

FloorAndFire@ugent.be

date

29/07/2019

TEST REPORT 19-0562-02

Samples received :

<i>Name</i>	<i>Date of receipt</i>
Group 2 Products with top foam, back foam, polyester backing and thermal PUR Exclusive 320T (D6) ICONIK 320T (D6) Exclusive 280T (D1) Essentials 280T (D1) ICONIK 280T (D1) Nordic Stabil (D3) Nordic Stabil Plus (CF) (D7) Nordic Stabil Plus (D4) Essentials 260T (D8) ICONIK 260T (D8) Essentials 220T (D2) ICONIK 220T (D2)	06/06/2019

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 samples: 23 ± 2 °C and 50 ± 5 % R.H.

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 samples: 23 ± 2 °C and 50 ± 5 % R.H.

The tests were finished in week 27/2019.

OBTAINED RESULTS

Small flame test

Ignition time : 15 s

Lengthwise

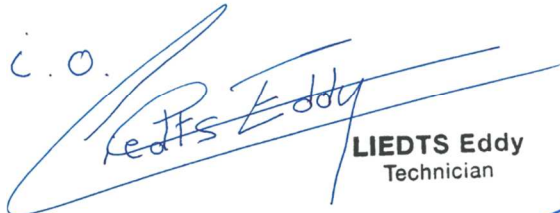
Sample	Burning time (s)	After glowing time (s)	Boundary line reached within 20 s
1	17	-	no
2	17	-	no
3	16	-	no

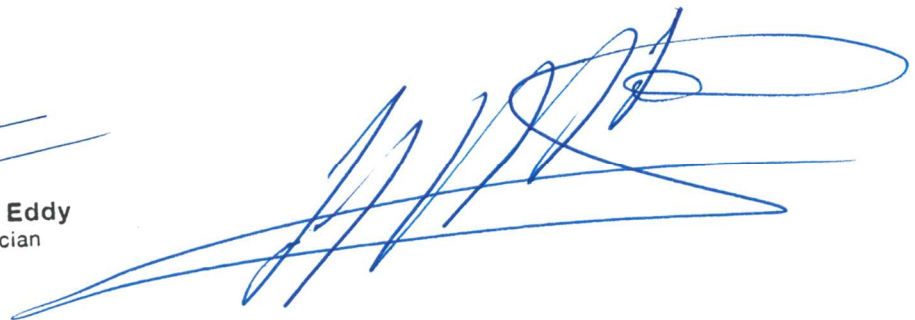
Crosswise

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

Fire behaviour

Specimen number	1 Length	2 Width	3 Length	4 Length	Average Specimens 1,3,4
Flame spread after 10 min (mm)	365	350	350	345	
Flame spread after 20 min (mm)	365	350	350	345	
Flame spread after 30 min (mm)	365	350	350	345	
Flame spread at extinction (mm)	365	350	350	345	
Flame time	12min 33s	12min 27s	12min 35s	12min 21s	
Critical heat flux CHF at extinction (kW/m ²)	6.0	6.3	6.3	6.3	6.2
Total smoke production at end of test (%.min)	206	177	187	175	189

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 19-0562-02

*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	