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**Your notice of**  
02-11-2017

**Your reference**

**Date**  
23-11-2017

## Analysis Report 17.06300.03

Required tests :

**EN 13501-1 (2007) + A1 (2009)**

Identification number	Information given by the client	Date of receipt
T1723827	be.tex® Floor 900 FR	02-11-2017

Kristina De Temmerman

Order responsible

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.  
In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.

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**Reference: T1723827 - be.tex® Floor 900 FR**

**Information given by the client**

Product standard	EN 13501-1 (2007) + A1 (2009)
FR treated	yes
FR-surface treatment	no
Type of manufacture	Flat needle felt
Use-surface	PES
Backing layer	Gelfoam
Total mass	900 g/m <sup>2</sup>
Pile thickness	2 mm
Total thickness	3 mm
Surface structure	Flat

**Notified body No: 0493**

**Reference:** T1723827 - be.tex® Floor 900 FR

**Reaction to fire tests – Ignitability of building products subjected to direct impingement of flame - Single-flame source test**

Date of ending the test 09-11-2017  
 Standard used EN ISO 11925-2 (2010)  
 Product standard EN 13501-1 (2007) + A1 (2009)

**Floor covering**

Deviation from the standard -

Conditioning 23°C, relative humidity 50%  
 Minimum 14 days or until constant mass is achieved

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Substrate Fibre cement board - density (1800 ± 200) kg/m<sup>3</sup>  
 Mounting Loose-laid  
 Cleaning Specimens have not been cleaned

Flame application time (s) 15  
 Flame application Surface

	Length			Width		
	1	2	3	4	5	6
Time to reach 150 mm mark (s)	*	*	*	*	*	*

\* = time to reach the mark > 20 s or mark not reached

**Criteria Floorcoverings**

time to reach the mark: - > 20 s : Class Efl  
 - ≤ 20 s : Class Ffl

**Classification** **Class Efl**

**Limitations**

This classification document does not represent type approval or certification of the product.

**Reference: T1723827 - be.tex® Floor 900 FR**

**Reaction to fire tests for floorings - Determination of the burning behaviour using a radiant heat source**

Date of ending the test	17-11-2017
Standard used	EN ISO 9239-1 (2010)
Product standard	EN 13501-1 (2007) + A1 (2009)
Deviation from the standard	-
Conditioning	23°C, relative humidity 50% Minimum 14 days or until constant mass is achieved

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

**Test specimen**

Substrate	Fibre cement board - density $(1800 \pm 200)$ kg/m <sup>3</sup>
Mounting	Loose-laid
Cleaning	Specimens have not been cleaned

## Radiant heat flux

	Flame spread distance (cm)			Flame time	Heat flux *
	10 min	20 min	30 min		kW/m <sup>2</sup>
Length					
#1	19	29	29	17 min 45 s	7.8
Width					
#1	19	31	31	17 min 05 s	7.3
#2	19	19	19	12 min 00 s	9.8
#3	21	30	30	18 min 00 s	7.5

## Extra tests

	Flame spread distance (cm)			Flame time	Heat flux *
	10 min	20 min	30 min		
Width					
#4	21	32	32	17 min 00 s	7.0
#5	22	34	34	18 min 45 s	6.5

\* Heat flux at the time of flame extinguishment or after a test duration of 30 minutes.

Average heat flux for tests (width) 1, 3, 4:

7.3 kW/m<sup>2</sup>

Fire classification in accordance with EN 13501-1 (2007) + A1 (2009)		
Class	EN ISO 11925-2 or CWFT	EN ISO 9239-1 (test duration = 30 min)
B <sub>fl</sub>	E <sub>fl</sub>	heat flux ≥ 8,0 kW/m <sup>2</sup>
C <sub>fl</sub>	E <sub>fl</sub>	heat flux ≥ 4,5 kW/m <sup>2</sup>
D <sub>fl</sub>	E <sub>fl</sub>	heat flux ≥ 3,0 kW/m <sup>2</sup>

## Smoke production: Light attenuation

	<b>Maximum (%)</b>	<b>Total (%.min)</b>
Length		
#1	15	75
Width		
#1	24	61
#2	17	37
#3	18	53

## Extra tests

	<b>Maximum (%)</b>	<b>Total (%.min)</b>
Width		
#4	19	75
#5	24	75

Average smoke production for tests (width) 1, 3, 4: 63 %min

Additional classification in accordance with EN 13501-1 (2007) + A1 (2009)	
smoke production $\leq$ 750%.min	s1
smoke production $>$ 750%.min	s2

**Reaction to fire classification : C<sub>n</sub>/ s1**

*Loose-laid on a non-combustible substrate\**

*\* End use substrates of classes A1 or A2-s1, d0 (ISO 13238:2010 § 5.2.2)*

**Limitations**

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