

TEST REPORT N° RL 2019/890-1

DELIVERY : 03/01/2020

MATERIAL RECEIVED : 13/12/2019

ORIGIN : BELGOTEX INTERNATIONAL CARPET & FLOORING
25 Leslie Hills Drive, Riccarton, Christchurch 8011
NEW ZEALAND


NAME OF QUALITY : **Nylon Carpet Tile – 450 gsm**

TESTS TYPE : Reaction to fire tests for floorings according to
AS/ISO 9239-1 (2010)
Part 1: Determination of the burning behaviour using a
radiant heat source

The Technical Director
Marc WELCOMME



Head of Tests
David VANDIERDONCK



This test report is only valid as a certificate for the characteristics of the sample which was submitted to the tests and does not prejudice the characteristics of similar products. As a consequence, it is not a product certificate in the sense of Article L 115-27 of the Consumption Code and of the Law dating from June 3rd 1994.

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It contains **4** page(s) and **0** annex(s).

ORIGIN OF THE SAMPLE TO CONSIDER:

Sample provided by the applicant of the test.

The test specimens were prepared by the applicant.

PRODUCT DESCRIPTION DETERMINED BY THE LABORATORY:

Tufted loop pile carpet tile of 50 cm x 50 cm (EN 1307 family product).

INFORMATIONS GIVEN BY THE CUSTOMER :

Composition of use-surface : 100% polyamide
Type of primary backing : non - woven polyester
Type of backing : PVC with glass fiber
Total mass per unit area : 4480 g/m²
Total thickness : 5,0 mm
Total pile thickness: 3,0 mm

Colouring : Black

Flame retardant : no

Description of test specimens:

Substrate : fibre-cement board (EN 13238: 2010)

Installation : glued (UZIN UZ 57)

Cleaning : none

Conditioning :

At least 14 days (23 ± 2)°C and (50 ± 5) % relative humidity.

Eventual deviations from the test method:

None

Date of test:

30/12/2019

Duration of the test:

The radiation is maintained for 30 minutes.

C.R.E.T is accredited ISO 17025 for testing according to EN ISO 9239-1 and notified by the French Government to the European Commission under n°NB 2401.

RESULTS :**1) HEAT FLUX**

Specimen	Flame front distance (mm)			Heat flux (kW/m ²)			Duration of flaming (min/s)	Maximum flame front distance (mm)	Critical Heat flux CHF (kW/m ²)
	10 min	20 min	30 min	HF 10	HF 20	HF 30			
1 (L)*	240	320	320	8,2	6,6	-	21 min 00 s	320	6,6
1 (T)*	220	300	380	8,6	7,0	5,4	30 min 00 s	380	5,4
2 (T)	220	320	320	8,6	6,6	-	20 min 20 s	320	6,6
3 (T)	240	320	350	8,2	6,6	-	26 min 00 s	350	6,0
Average (T)									6,0

(L)* → Longitudinally direction

(T)* → Transversally direction

Observation : None

Distance burnt (mm)	Time for each specimen to burn in minutes (min) and seconds (s)			
	1 (Longitudinally)	1 (Transversally)	2 (Transversally)	3 (Transversally)
50	3 min 00 s	3 min 10 s	3 min 00 s	3 min 10 s
100	4 min 20 s	4 min 50 s	4 min 40 s	4 min 30 s
150	6 min 10 s	6 min 10 s	6 min 00 s	6 min 00 s
200	8 min 20 s	8 min 00 s	7 min 30 s	8 min 00 s
250	10 min 50 s	13 min 50 s	12 min 40 s	10 min 40 s
300	17 min 40 s	19 min 20 s	17 min 20 s	16 min 10 s
350		25 min 30 s		23 min 40 s
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

2) SMOKE DENSITY

Specimen	Maximum light attenuation (%)	Smoke development (% X min)
1 (L)*	24,0	115,0
1 (T)*	24,6	175,4
2 (T)	30,1	100,2
3 (T)	28,1	126,3
Average (T)	27,6	134,0

(L)* → Longitudinally direction

(T)* → Transversally direction

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.

End of report