

TEST REPORT N° RL 2023/812

DELIVERY : 23/11/2023

MATERIAL RECEIVED : 27/10/2023

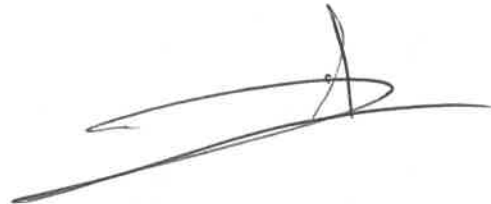
ORIGIN : BELGOTEX FLOORS
20 Chesterfield Road Willowton
Pietermaritzburg 3201
SOUTH AFRICA

NAME OF QUALITY : **Academia E3 – BA Granite E3**
Rhythmic E3 – Terrain E3

TESTS TYPE : Reaction to fire tests for floorings according to
NF EN ISO 9239-1 (February 2013)
Part 1: Determination of the burning behaviour using a
radiant heat source

The Technical Director
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Accreditation of Testing Section COFRAC certify the competence of laboratories only for the tests covered by the accreditation.

This test report is only valid as a certificate for the characteristics of the sample which was submitted to the tests and does not prejudge 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** pages and **0** annex.

The laboratory cannot be held responsible for the information provided by the customer, this information is identified in this report by an italic font.

ORIGIN OF THE SAMPLE TO CONSIDER:

Sample provided by the applicant of the test.

INFORMATIONS GIVEN BY THE CUSTOMER :

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

Composition of use-surface : *100% polyamide*
Type of primary backing : *non-woven polyester*
Type of backing : *bitumen + needled fleece (E3 Backing)*
Total mass per unit area : *4076 g/m²*
Total thickness : *7,5 mm*
Total pile thickness : *2,0 to 4,0 mm*
Colouring : *Black*

Flame retardant : *No*

Description of test specimens:

Substrate : *fibres-cement board A2_f-s1*
Density (1800 ± 200) kg /m³
Dimensions 105 cm x 23 cm
Thickness (8 ± 2) mm

Installation : *non-permanent glued (tackifying adhesive for removable tile) with deposit 120 g/m².*

Cleaning : *none*

Conditioning :

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

Eventual deviations from the test method:

None

Date of test:

20/11/2023

Duration of the test:

The radiation is maintained for 30 minutes.

C.R.E.T is 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)*	250	250	250	8,6	-	-	13 min 30 s	250	8,6
1 (T)*	250	250	250	8,6	-	-	12 min 00 s	250	8,6
2 (T)	250	250	250	8,6	-	-	12 min 30 s	250	8,6
3 (T)	250	250	250	8,6	-	-	13 min 00 s	250	8,6
Average (T)									8,6

(L)* → Longitudinally direction
 (T)* → Transversally direction

Observation :

Specimen is mounted in such a way at least one joint is situated 250 mm from the zero point in the both directions.

Distance burnt (mm)	Time for each specimen to burn in minutes (min) and seconds (s)			
	1 (L)*	1 (T)*	2 (T)	3 (T)
50	2 min 50 s	2 min 30 s	2 min 30 s	2 min 30 s
100	3 min 10 s	2 min 50 s	2 min 50 s	3 min 10 s
150	4 min 00 s	4 min 00 s	3 min 50 s	4 min 00 s
200	5 min 20 s	5 min 00 s	4 min 50 s	4 min 50 s
250	7 min 30 s	6 min 20 s	6 min 10 s	6 min 50 s
300				
350				
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)*	21,5	85,3
1 (T)*	24,6	88,9
2 (T)	21,1	89,5
3 (T)	26,8	85,5
Average (T)	24,2	88,0

(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