



Neuville, March 11th 2019

Our ref. : MW/DV
Study RL 2019/118

BEAULIEU REAL N.V
Groene Dreef 15A
B 9770 KRUISHOUTEM
BELGIUM

To the attention of Mr Jos GOUSSEAU

Dear Sir,

Please kindly find in the attached reports the results of orientating tests of reaction to fire radiant panel in accordance with **NF EN ISO 9239-1** made on your quality **"SALSA"**.

Compared to the classification criteria of the EN 13501-1 September 2007 + A1 (2013) are:

Critical heat flux : $\geq 3,0 \text{ kW/m}^2$: class D_{fl}

Critical heat flux : $\geq 4,5 \text{ kW/m}^2$: class C_{fl}

Critical heat flux : $\geq 8,0 \text{ kW/m}^2$: class B_{fl}

Smoke density: s1 smoke $\leq 750 \text{ % X min}$

: s2 products that do not meet the criteria for class s1

Probable classification glued over fibre cement board: **C_{fl}-s1**

Regards,

For the SARL C.R.E.T
The Technical Director,
Marc WELCOMME

TEST REPORT N° RL 2019/118

DELIVERY : 11/03/2019

MATERIAL RECEIVED : 20/02/2019

ORIGIN : BEAULIEU FLOORING SOLUTIONS NV - REAL
Groene Dreef 15A
B 9770 KRUISHOUTEM
BELGIUM

NAME OF QUALITY : **SALSA**

TESTS TYPE : Orientation 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
Marc WELCOMME



Head of Tests
David VANDIERDONCK



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

The results which have been obtained by means of the sample specified above, may not be generalised without justification of the representativeness of the samples.

ORIGIN OF THE SAMPLE TO CONSIDER:

Sample provided by the applicant of the test.

PRODUCT DESCRIPTION DETERMINED BY THE LABORATORY:

Needled pile carpet type B1 (EN 1307 family product).

INFORMATION GIVEN BY THE CUSTOMER :

Composition of use-surface : 100% polypropylene

Type of backing : SBR latex

Total mass per unit area : 1280 g/m²

Total thickness : 5,0 mm

Colouring : Grey

Flame retardant : No

Description of test specimens :

*Substrate : Fibre cement board

Density (1800 ± 200) kg /m³

Dimensions 105 cm x 23 cm

Thickness (8 ± 2) mm

Installation : Glued (acrylic glued UZIN UZ 57 with depositing 350 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 :

08/03/2019

Duration of the test :

The radiation is maintained for 30 minutes.

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)*	210	310	410	9,0	7,1	5,1	30 min 00 s	410	5,1
1 (T)*	150	230	320	10,1	8,7	6,9	30 min 00 s	320	6,9

(L)* → Longitudinally direction

(T)* → Transversally direction

Distance burnt (mm)	Time for each specimen to burn in minutes (min) and seconds (s)	
	1 (Longitudinally)	1 (Transversally)
50	3 min 50 s	4 min 00 s
100	5 min 10 s	6 min 20 s
150	7 min 00 s	9 min 40 s
200	9 min 10 s	16 min 00 s
250	13 min 30 s	21 min 20 s
300	17 min 40 s	27 min 10 s
350	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)*	9,5	49,9
1 (T)*	2,9	25,6

(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