



Centre de Recherches
et d'Etudes Techniques
du Tapis

TEST REPORT N° RL 2010/051

DELIVERY : 01/03/2010

MATERIAL RECEIVED : 22/02/2010

ORIGIN : BEAULIEU REAL NV
Groene Dreef 15 A
B 9770 KRUISSHOUTEM
BELGIUM

NAME OF QUALITY : LAS VEGAS

TESTS TYPE : Reaction to fire tests for floorings : Orientation behaviour
using a radiant heat source

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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.

**REACTION TO FIRE FOR FLOORING
ACCORDING TO NF EN ISO 9239-1 (March 2002)**

DESCRIPTION OF SAMPLE :

Tufted cut pile carpet, 100% polyamide, woven textile backing.

OBSERVATIONS:

Test carry out in full adhesion on incombustible fibrocement

DATE OF TEST:

26/02/2010 & 01/03/2010

Sample	1 (Lenght)	2 (Width)	3 (Lenght)	4 (Lenght)	Average (Lenght)
Flame front (cm)	35	30	35	35	35
Critical heat flux at extinguishment CF (kW/m ²)	6,1	7,2	6,1	6,1	6,1
Flame extinction (min)	19'40"	25'10	24'40"	18'50"	-

SMOKE DENSITY

RESULTS :

SAMPLE	Maximun attenuation of luminosity (%)	Total attenuation of luminosity (% X min)
1 (Lenght)	22,5	134,6
2 (width)	11,8	105,2
3 (Lenght)	26,4	161,8
4 (Lenght)	19,5	134,6

CRITERIA OF CLASSIFICATION ACCORDING TO NF EN 13501-1 (SEPTEMBER 2007) :

- Critical heat flux $\geq 3,0$ kW/m² : class D_{f1}
- Critical heat flux $\geq 4,5$ kW/m² : class C_{f1}
- Critical heat flux $\geq 8,0$ kW/m² : class B_{f1}

Smoke density : S1 smoke ≤ 750 % X min
 S2 smoke ≥ 750 % X min

Possibilities of classification : **Cfl - S1**

The results do not concern that the behaviour of the sample of a product in conditions particular of the test; they are not intended to be only criteria of the fire hazard presented by the product of use

End of report