



Irvine International Floors Ltd  
PO Box 16898  
Hornby  
Christchurch, Canterbury 8441  
New Zealand

your delivery of  
2008-01-07

your reference

our reference  
PVH/1651

date  
Zwijnaarde, 2008-02-22

## Analysis Report 60723

Required tests :

Classification of reaction to fire in accordance with EN 13501-1:2007

Identification number	Information given by the client	Date of receipt
T800182	quality FR treated use-surface substrate, support  backing layer total mass pile thickness total thickness surface structure	<b>Logic Carpet Tile</b> no 100% PP yarn non woven PES/PA primary backing PVC $\pm 5.200 \text{ kg/m}^2$ 4/5/6 mm – multi pile length 7/8 mm loop pile

Pros Van Hoeyland  
order responsible

Notified body No: 0493

This report runs to 6 pages and may be reproduced, as long as it is presented in its entire form, without written permission of Centexbel. The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.

ISO 17025



VAT BE 0459.218.289  
CENTEXBEL-GENT  
Technologiepark 7  
BE-9052 Zwijnaarde

Tel. + 32 9 220 41 51 • Fax + 32 9 220 49 55  
e-mail gent@centexbel.be

Fin. Acc. 210-0472965-45

[www.centexbel.be](http://www.centexbel.be)

IBAN BE44 2100 4729 6545

CENTEXBEL-BRUSSELS  
Montoyerstraat 24 B2  
BE-1000 Brussels

Tel. + 32 2 287 08 30 • Fax + 32 2 230 68 15



Reference : Logic Carpet Tile

Classification of reaction to fire in accordance with EN 13501-1:2007

1. Method:

Test Method - EN ISO 11925-2:2002  
Standard - EN 13501-1:2007

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.

Floor covering

- substrate : - fibre cement board  
- density  $(1800 \pm 200)$  kg/m<sup>3</sup>  
- dimensions 250 mm x 90 mm x 5 mm  
- adhesive : - none / specimens were tested loose laid  
- cleaning : - textile floor coverings are subjected to the laboratory spray extraction cleaning procedure according to ISO 11379

Conditioning

minimum 14 days at  $(23 \pm 2)$  °C and  $(50 \pm 5)$  % RH  
or  
until constant mass is achieved



Reference : Logic Carpet Tile

## 2. Results:

End of tests: 21 February 2008

The tests are carried out in accordance with EN ISO 11925-2 - surface ignition.

Surface ignition - test specimen loose-laid on the substrate

test specimen	lengthwise			crosswise		
	1	2	3	4	5	6
time to reach 150 mm mark (s)	I	I	I	I	I	I
ignition filter paper within 20 s after flame application	no	no	no	no	no	no

I = mark not reached within 20 s after application of the flame.

### Criteria floorings

time to reach the mark -  $\geq 20$  s : Class E<sub>f1</sub>  
-  $< 20$  s : Class F<sub>f1</sub>

Classification: Class E<sub>f1</sub>

Reference : Logic Carpet Tile

Classification of reaction to fire in accordance with EN 13501-1:2007

1. Method:

Test Method - EN ISO 9239-1:2002  
 Standard - EN 13501-1:2007

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.

Floor covering

- substrate : - fibre cement board
  - density  $(1800 \pm 200)$  kg/m<sup>3</sup>
  - dimensions 105 cm x 23 cm x 0,5 cm.
- adhesive : - none / specimens were tested loose laid
- cleaning : - textile floor coverings are subjected to the laboratory spray extraction cleaning procedure according to ISO 11379
- joint : - at 25 cm

Conditioning

minimum 14 days at  $(23 \pm 2)$  °C and  $(50 \pm 5)$  % RH  
 or  
 until constant mass is achieved

Reference : Logic Carpet Tile

## 2. Results:

End of tests: 1 February 2008

### Radiant heat flux

Test	flame spread distance (cm)			flame time	heat flux * kW/m <sup>2</sup>
	10 min	20 min	30 min		
width					
1	30	44	52	30 min 0 s	3,4
length					
1	30	43	53	30 min 0 s	3,1
2	31	45	54	30 min 0 s	3,1
3	30	45	54	30 min 0 s	3,1
<b>average</b>					<b>3,1</b>

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

Fire classification in accordance with EN 13501-1:2007		
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

Test	maximum light attenuation (%)	total light attenuation (%min)
width		
1	66	562
length		
1	63	572
2	68	555
3	65	584
<b>average</b>		<b>570</b>

Additional classification in accordance with EN 13501-1:2007	
smoke production ≤ 750%.min	s1
smoke production > 750%.min	s2

Reference : Logic Carpet Tile

**3. Classification:**

<p><b>Reaction to fire classification: D<sub>fl</sub> / s1</b></p>
--

**Limitations**

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

“The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.”