Dhr. Geert De Clercq S-PRINT NV Industriezone 5 De Tonne 93 9800 DEINZE

via certification

your visit of 2008-11-04

your reference

our reference PVH/10987 date Zwijnaarde, 2008-12-02

Analysis Report 65716

Required tests :

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

Identification	Information given by the client	$\bigcirc) \checkmark$	Date of receipt
number		7	
T810580	quality	ĚP 600	2008-11-04
	FR treated $(\begin{pmatrix} \\ \\ \end{pmatrix})$	yes	
	use-surface	100% polyamide 6	
	substrate, support	75% PES – 25% PA	
	backing layer	latex	
	total mass	1,650 kg/m ²	
	pile thickness	±5 mm	
	total thickness	±6 mm	
	surface structure	cut pile	

Pros Van Hoeyland order responsible

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our reference	date	page
PVH/10987	2008-12-02	2/5

Reference : T810580 - FP 600

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

Classification of textile floor coverings in accordance with EN 14041 (2004) § 4.1.4 "The textile floor coverings listed in Table 2, in the end uses identified in the table, are classified without further testing (CWFT) in the classes shown and do not require testing in respect of these end uses and classes".

Table 2 – (Classes of rea	action to fire f	or textile floor	r coverings.	classified y	without further (testing
\mathbf{I} abit $\mathbf{I} = \mathbf{v}$	Classes of the		or teame noor	coverings,	classificu	without ful there	usung

Floor covering type ¹	EN product standard	Class ³ Floorings			
Non-FR machine-made wall-to-wall carpets and pile carpet tiles ²	EN 1307	$\mathrm{E_{fl}}$			
Non-FR needled textile floor coverings without pile ²	EN 1470	E _{fl}			
Non-FR needled textile floor coverings with pile ²	EN 13297	$\mathrm{E_{fl}}$			
¹⁾ Floor covering glued or loose laid over a Class A2-s1,d0 substrate					
²⁾ Textile floor coverings having a total mass of max. 4.8 kg/m ² , a minimum pile thickness of					
1,8 mm (ISO 1766) and					
- a surface of 100% wool					
- a surface of 80% wool or more -20% polyamide or less					
- a surface of 80% wool or more -20% polyamide/polyester or less					

- a surface of 80% wool or more -20% polyamide/polyester or less
- a surface of 100% polyamide
- a surface of 100% polypropylene and if with SBR-foam backing, a total mass of
- > 0.780 kg/m². All polypropylene carpets with other foam backings are excluded.
- ³⁾ Class as provided for in Table 2 in the Annex to Decision 2000/147/EC.

Classification: E_{fl}

Performed under accreditation in the fire lab under the responsibility of Pros Van Hoeyland.

Analysis Report 65716

our reference	date	page
PVH/10987	2008-12-02	3 / 5

Reference : T810580 - FP 600

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

<u>1. Method:</u>	
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

Floor covering	A
- substrate :	- fibre cement board $\sim \langle \rangle$
	- density (1800 ± 200) kg/m ³
	- dimensions 105 cm x $23 \times 10,5$ 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
Conditioning	

<u>Conditioning</u>

minimum 14 days at (23 ± 2) °C and (50 ± 5) % RH or

until constant mass is achieved

Analysis Report 65716

our reference	date	page
PVH/10987	2008-12-02	4 / 5

Reference : T810580 - FP 600

2. Results:

End of tests: 1 December 2008

Radiant heat flux

Test	flame s	pread distaı	nce (cm)	flame time	heat flux * kW/m ²
	10 min	20 min	30 min		
length					
1	21	28	28	19 min 55 s	8.0
width					
1	21	31	33	26 min 0 s	6.9
2	14	14	14	\land 12 min 0 s	11.0
3	20	23	23	14 min 20 s	9.1
average			$\langle \bigcirc$	$\langle \rangle$	9.0

* 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)		
\mathbf{B}_{fl}	E _{fl}	heat flux \geq 8,0 kW/m ²		
$C_{\rm fl}$	E _{fl}	heat flux \geq 4,5 kW/m ²		
D_{fl}	E _{fl}	heat flux \geq 3,0 kW/m ²		

Smoke production

Test	maximum light attenuation (%)	total light attenuation (%min)
length		
1	44	196
width		
1	50	170
2	17	36
3	33	97
average		101

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

Analysis Report 65716

our reference	date	page
PVH/10987	2008-12-02	5 / 5

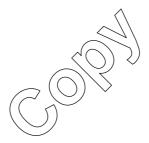
Reference : T810580 - FP 600

3. Classification:

Reaction to fire classification: B_{fl} / s1

Limitations

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



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