Dhr. Joris Degroote
OROTEX BELGIUM NV
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via certification

your delivery of	your reference	our reference	date
2011-07-20		PVH/8680	Zwijnaarde, 2011-09-14

Analysis Report 81236/D

Required tests :

Classification of reaction to fire in accordance with EN 13501-1:2007+A1 (2009)

Identification number	Information given by the client		Date of receipt
T107985	quality	EXPORIPS R	2011-07-20
	FR treated	no	
	FR-surface treatment	no	
	use-surface	100% PP	
	backing layer	resine	
	total mass	± 0.360 kg/m²	
	total thickness	± 3 mm	
	surface structure	loop pile	

Pros Van Moeyland
order responsible

Notified body No: 0493

In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.

VAT BE 0459.218.289 Fin. Acc. 210-0472965-45 IBAN BE44 2100 4729 6545

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Reference : T107985 - EXPORIPS R

Classification of reaction to fire in accordance with EN 13501-1:2007+A1 (2009)

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 reaction to fire for textile floor coverings, classified without further testing

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	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	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/m², 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 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}

Reference : T107985 - EXPORIPS R

Classification of reaction to fire in accordance with EN 13501-1:2007+A1 (2009)

1. Method:

Test Method - EN ISO 9239-1:2010

Standard - EN 13501-1:2007+A1 (2009)

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 ± 200) kg/m³
- mounting : - loose- laid
- cleaning : - specimens have not been cleaned

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

Reference : T107985 - EXPORIPS R

2. Results:

End of tests: 9 September 2011

Radiant heat flux

Test	flame spread distance (cm)			flame time	heat flux * kW/m²
	10 min	20 min	30 min		
width					
1	11	11	11	12 min 0 s	10,3
length					
1	12	12	12	12 min 0 s	10,2
2	<11	<11	<11	12 min 0 s	≥ 11
3	12	12	12	12 min 0 s	10,2
average					**≥ 10,5**

* 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+A1 (2009)		
Class	EN ISO 11925-2 or CWFT	EN ISO 9239-1 (test duration = 30 min)
B_{fl}	E_{fl}	heat flux ≥ 8,0 kW/m²
C_{fl}	E_{fl}	heat flux ≥ 4,5 kW/m²
D_{fl}	E_{fl}	heat flux ≥ 3,0 kW/m²

Smoke production

Test	maximum light attenuation (%)	total light attenuation (%min)
width		
1	3	6
length		
1	9	27
2	3	22
3	1	7
average		**19**

Additional classification in accordance with EN 13501-1:2007+A1 (2009)	
smoke production ≤ 750%.min	s1
smoke production > 750%.min	s2

Reference : T107985 - EXPORIPS R

3. Classification:

Reaction to fire classification: B_{fl} / s1

loose-laid on a non-combustible substrate*

* End use substrates of classes A1or A2-s1,d0 (ISO 13238:2010 § 5.2.2)

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."

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