your delivery of	your reference	our reference	date
2008-01-07		PVH/1655	Zwijnaarde, 2008-02-22

Analysis Report 60723/B

Required tests :

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

Identification number	Information given by the client		Date of receipt
T800183	quality	Network carpet tiles	2008-01-07
	FR treated	no	
	use-surface	100% nylon yarn	
	substrate, support	non woven PES/PA primary backing	
	backing layer	PVC	
	total mass	± 5.200 kg/m²	
	pile thickness	4/5/6 mm – multi pile length	
	total thickness	7/8 mm	
	surface structure	loop pile	

Pros Van Hoeyland
order responsible

Notified body No: 0493

Reference : **T800183** – Network carpet tiles

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 ± 200) kg/m³
  - 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 ± 2) °C and (50 ± 5) % RH
or
until constant mass is achieved

Reference : **T800183 -** Network carpet tiles

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 - ≥ 20 s : Class E_{fl}
- < 20 s : Class F_{fl}

Classification: Class E_{fl}

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

Reference : **T800183** – Network carpet tiles

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 ± 200) kg/m³ - 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 ± 2) °C and (50 ± 5) % RH
or
until constant mass is achieved

Reference : **T800183 -** Network carpet tiles

2. Results:

End of tests: 5 February 2008

Radiant heat flux

Test	flame spread distance (cm)			flame time	heat flux * kW/m²
	10 min	20 min	30 min		
length					
1	21	27	39	30 min 0 s	5,6
width					
1	20	32	41	30 min 0 s	5,2
2	21	34	41	30 min 0 s	5,2
3	22	35	41	30 min 0 s	5,2
average					**5,2**

* 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_{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)
length		
1	44	293
width		
1	44	359
2	45	366
3	50	372
average		**366**

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

Reference : **T800183** - Network carpet tiles

3. Classification:

Reaction to fire classification: C_{fl} / s1

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.