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PVEH/2165

date

Zwijnaarde, 2008-03-10

Analysis Report 61489

Required tests :

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

Identification number	Information given by the client	Date of receipt
T801744	quality FR treated use-surface substrate, support backing layer total mass pile thickness total thickness surface structure	2008-02-15
	yes 100% PP 100% PP marine backing ± 1.250 kg/m ² ± 5.5 mm ± 7 mm cut pile	

Pros Van Hoeyland
order responsible

Notified body No: 0493

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ISO 17025



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Reference : T801744 - SPRING BR-MAR

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 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/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 100% polyamide		
- a surface of 100% polypropylene and if with SBR-foam backing, a total mass of > 0.780 kg/m ² . 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}

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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

Conditioning

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

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2. Results:

End of tests: 7 March 2008

Radiant heat flux

Test	flame spread distance (cm)		flame time	heat flux * kW/m ²
width	10 min	20 min	30 min	
1	21	29	23 min 45 s	7,7
length				
1	26	31	30 min 0 s	5,7
2	16	24	29 min 40 s	7,7
3	10	10	12 min 25 s	≥11
average				≥8,1

* 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
B _{F1}	E _{F1} EN ISO 9239-1 (test duration = 30 min) heat flux ≥ 8,0 kW/m ²
C _{F1}	E _{F1} heat flux ≥ 4,5 kW/m ²
D _{F1}	E _{F1} heat flux ≥ 3,0 kW/m ²

Smoke production

Test	maximum light attenuation (%)	total light attenuation (%min)
width		
1	6	75
length		
1	5	79
2	6	72
3	9	160
average		104

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

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3. Classification:

Reaction to fire classification: B _{fl} / s1

Limitations

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