



Dhr. Tom Vandaele
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via certification

your delivery of
2011-09-01

your reference
207 4500703755

our reference
PVH/9406

date
Zwijnaarde, 2011-10-20

Analysis Report 81675

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
T109036	quality	BATIPRO BATIPRO TREND INVENT	2011-09-01
	FR treated	no	
	total mass	1858 g/m ²	
	total thickness	2.6 mm	
	product standard	EN 651	

Pros Van Hoeyland
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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ISO 17025



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Reference : T109036 - BATIPRO/BATIPRO TREND/INVENT

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

Classification of resilient floor coverings in accordance with EN 14041 (2004) § 4.1.4
 “The resilient floor coverings listed in Table 3, 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 3 – Classes of reaction to fire for resilient floor coverings, classified without further testing

Floor covering type ¹	EN product standard	Minimum mass (kg/m ²)	Maximum mass (kg/m ²)	Minimum overall thickness (mm)	Class ² Floorings
Plain and decorative Linoleum	EN 548	2.3	4.9	2	Efl
Homogeneous and heterogeneous polyvinyl chloride floor coverings	EN 649	2,3	3,9	1,5	Efl
Polyvinyl chloride floor coverings with foam layer	EN 651	1.7	5.4	2	Efl
Polyvinyl chloride floor covering with cork-based backing	EN 652	3.4	3.7	3.2	Efl
Expanded (cushioned) polyvinyl chloride floor coverings	EN 653	1,0	2,8	1,1	Efl
Semi-flexible polyvinyl chloride tiles	EN 654	4.2	5.0	2	Efl
Linoleum on corkment backing	EN 687	2.9	5.3	2.5	Efl
Homogeneous and heterogeneous smooth rubber floor coverings with foam backing	EN 1816	3.4	4.3	4	Efl
Homogeneous and heterogeneous smooth rubber floor coverings	EN 1817	3.0	6.0	1.8	Efl
Homogeneous and heterogeneous relief rubber floor coverings	EN 12199	4.6	6.7	2.5	Efl

¹⁾ Floor covering loose laid over any wood based substrate of at least Class D-s2,d0 or any substrate of at least Class A2-s1,d0.
²⁾ Class as provided for in Table 2 in the Annex to Decision 2000/147/EC.

Classification: Efl



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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 : T109036 - BATIPRO/BATIPRO TREND/INVENT

2. Results:

End of tests: 12 October 2011

Radiant heat flux

Test	flame spread distance (cm)			flame time	heat flux * kW/m ²
	10 min	20 min	30 min		
width					
1	26	26	26	12 min 0 s	8,2
length					
1	27	27	27	12 min 0 s	8,0
2	27	27	27	12 min 0 s	8,0
3	31	31	31	12 min 0 s	7,2
average					7,7

* 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/m ²
C _{fl}	E _{fl}	heat flux ≥ 4,5 kW/m ²
D _{fl}	E _{fl}	heat flux ≥ 3,0 kW/m ²

Smoke production

Test	maximum light attenuation (%)	total light attenuation (%min)
width		
1	95	172
length		
1	96	170
2	94	144
3	97	175
average		163

Additional classification in accordance with EN 13501-1:2007+A1 (2009)

smoke production ≤ 750%.min

s1



Analysis Report 81675

our reference

PVH/9406

date

2011-10-20

page

5 / 6

smoke production > 750%.min	s2
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3. Classification:

Reaction to fire classification: $C_{fl} / s1$

loose-laid on a non-combustible substrate*

* End use substrates of classes A1 or 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.