

Efectis Nederland report

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Reaction to fire testing of Vescom vinyl wall
covering with a Fibre Structure, a total weight of
550 g/m²
according to EN-ISO 11925-2:2002

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Product identification:

Product name:

Vescom vinyl wall covering with Fibre Structure, total weight of approx. 550 g/m², further referred to as 'the product'.

Revision information:

With an addition in the product name and a new product description.

Original date of issue: June 2008

Abstract:

Twelve specimens of the product were subjected to direct impingement of a small flame according to EN-ISO 11925-2:2002.

Intended application:

The product will be used as a wall covering.

Manufacturer/importer:

Vescom BV
P.O. Box 70
NL-5750 AB DEURNE
The Netherlands

Product description:

According to the sponsor the product is composed of a vinyl topcoat of approx. 510 g/m² and a cotton backing fabric of 40 g/m² (total weight approx. 550 g/m²). The product has a relief Fibre Structure.

Samples:

Sampling procedure: The samples were sent in by the sponsor.

Age: At the time of receipt: no information received.
At the start of the examinations: 8 weeks.

Date of receipt: February 2008

Specimen preparation:

Substrates used: Class A1 substrate, acc. to EN 13501-1

Method of fixing: As defined in the EN 13238, the product was glued to the substrate, according to the manufacturer's instructions, using the special adhesive "Vescom 2000".

Conditioning: Prior to the examinations the specimens were conditioned over a period of 6 weeks at a temperature of (23 ± 2) °C and a relative humidity of (50 ± 5) % according to § 4.1 of EN 13238:2001.

Examination:

Number of tests: A total of twelve single ignitability tests were carried out according to EN-ISO 11925-2:2002

Deviations from the test method: None

Harmonised Product Standard: At the time of examination of the product, the sponsor was not aware of a related existing Harmonised Product Standard.

Date of examination: June 9, 2008

The results are given in Table 1.

Table 1: Ignitability classification parameter results

Flame application time: 30 s					
	Ignition of sample	Maximum flame height	t_{150}	Afterburning time	Ignition of filter paper
Sample	{ Y=Yes/N=No }	[mm]	[s]	[s]	{ Y=Yes/N=No }
Surface ignition					
1	Y	70	∞ not reached	0	N
2	Y	75		0	N
3	Y	80		0	N
4	Y	80		0	N
5	Y	90		0	N
6	Y	55		0	N
Classification parameters		150 mm not reached within 60 s			N
Edge ignition					
1	Y	80	∞ not reached	0	N
2	Y	65		0	N
3	Y	70		0	N
4	Y	85		0	N
5	Y	85		0	N
6	Y	65		0	N
Classification parameters		150 mm not reached within 60 s			N

Observations of physical behaviour of the test specimen:

The material did not shrink or melt away from the flame without being ignited. Applying the testing protocol as specified in Annex A of the standard was therefore not necessary.

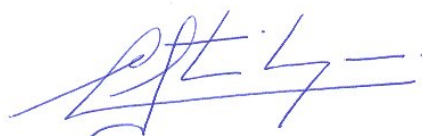
Conclusions:

A formal classification is to be assessed in accordance with EN 13501-1, "Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests".

Remarks:

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.

Regarding the precision of the test method, following Annex B of EN-ISO 11925-2 the absolute repeatability/reproducibility for this test method is estimated to lie within 3 s to 5 s for all times measured.



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