

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1: 2007+A1:2009

Sponsor: *Sercons, Derbenevskaya embankment 11, Office 60,
115114, Moscow, Russia*

Manufacturer: *Komitex LIN Ltd, 2-ya Promyshlennaya street, 10 Syktyvkar,
167981, Russian Federation*

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Notified body №: 1871

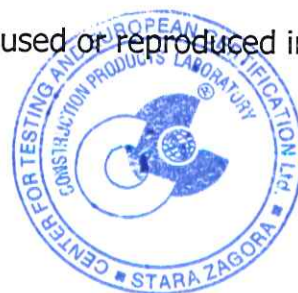
Product name: *PVC floor coverings on polyester felt backing*

Classification report №: 1871-CPR-RtF-254

Issue number: 01

Date of issue: 14.11.2017

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1 Introduction

This classification report defines the classification assigned to *PVC floor coverings*, in line with the procedures given in EN 13501-1:2007+A1:2009

2 Details of classified product

2.1 General

The product, *PVC floor coverings*, is defined as factory-made heterogeneous floor covering in accordance with BDS EN 14041. The product is manufactured by *Komitex LIN Ltd, 2-ya Promyshlennaya street, 10 Syktyvkar, 167981, Russian Federation*

2.2 Product description

The product, *PVC floor coverings* is described below and in the test reports provided in support of classification listed in clause 3.1.

Product description:

The product PVC floor coverings is produced in roll form, consisting of a 5 layers: polyvinyl chloride surface protective layer, PVC wear layer, fiber glass mat, PVC layer and unwoven base.

Tested samples: with thickness 2.0 mm and density 1.8 kg/m²; with thickness 2.5 mm and density 1.4 kg/m²; with thickness 4.0 mm and density 2.5 kg/m²; with thickness 5.0 mm and density 2.7 kg/m².

3 Test reports and test results in support of classification .

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports	Test method / extended application rules & date
CONSTRUCTION PRODUCTS TESTING LABORATORY CTEC LTD Stara Zagora, Bulgaria	Sercons, Russia	1421801/09.11.2017	BDS EN ISO 9239-1:2010
CONSTRUCTION PRODUCTS TESTING LABORATORY CTEC LTD Stara Zagora, Bulgaria	Sercons, Russia	1421802/10.11.2017	BDS EN ISO 11925-2:2010



3.2 Test results

Test method and test number	Parameter	No. tests	Results		
			Continuous parameter - mean (m)	Compliance with parameters	
BDS EN ISO 11925-2:2010 (15s exposure surface) Tested samples: with thickness 2.0 mm and density 1.8 kg/m ²	F _s	6	Nil	Compliant	
	flaming droplets/particles		None		
BDS EN ISO 9239-1:2010 Tested sample: with thickness 2.5 mm, density 1.4 kg/m ²	CHF, kW/m ²	1	9.19	Compliant	
	smoke measurement, % min		179.50	Compliant	
BDS EN ISO 9239-1:2010 Tested sample: with thickness 4.0 mm, density 2.5 kg/m ²	CHF, kW/m ²	1	9.21	Compliant	
	smoke measurement, % min		159.46	Compliant	
BDS EN ISO 9239-1:2010 Tested sample: with thickness 5.0 mm, density 2.7 kg/m ²	CHF, kW/m ²	1	8.36	Compliant	
	smoke measurement, % min		236.06	Compliant	
BDS EN ISO 9239-1:2010 Tested samples: with thickness 2.0 mm, density 1.8 kg/m ²	CHF, kW/m ²	3	7.58	average 8.65	Compliant
			9.18		
			9.18		
	smoke measurement, % min		168.11	average 189.85	Compliant
			202.59		
			198.86		



4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2007+A1:2009.

4.2 Classification

The product, *PVC floor coverings on polyester felt backing*, in relation to its reaction to fire behavior is classified:

B_{fl}

The additional classification in relation to smoke production is:

s1

The format of the reaction to fire classification for floorings is:

Fire Behaviour		Smoke Production	
B_{fl}	-	s	1

Reaction to fire classification: *B_{fl} – s1*

4.3 Field of application

This classification is valid for the following end use applications:

Vinyl panel made of PVC (laminated) is used as floor covering for domestic and commercial levels of use.

Mounting and fixing when tested according to BDS EN ISO 9239-1 is performed directly on substrate of not fire retardant treated particleboard (in accordance with EN 312) with thickness (20 ± 2) mm, with density (680 ± 50) kg/m³. The test results obtained in this way are also applicable to end use substrates of wood and of classes A1 and A2-s1, d0 and for floor coverings with and without using adhesives in end use conditions

This classification is also valid for the following product parameters:

Thickness: from 2.0 mm to 5.0 mm

Density – from 1.4 kg/m² to 2.7 kg/m²

Composition of components - not allowed amendment



5 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 performance by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Regulation (EU) No 305/2011.

The manufacturer has made a declaration, which is held on file. This confirms that the product's 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 to the manufacturer's factory production control that is claimed to be relevant to the samples tested and that will provide for their traceability

SIGNED:

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Specialist testing and quality

APPROVED:

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Hristina Angelova
Head of laboratory
on behalf of: **CTEC LTD**

