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Classification Report

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2010

Sponsor	Taizhou Huali Plastic Co., Ltd. Zhangdian Industrial Zone, Jiangyan District, Taizhou City, Jiangsu Prov., P.R.China
Prepared by	**Ghent University - Department of Textiles Technologiepark 907, 9052 Zwijnaarde, Belgium,**
Notified Body No	**1611**
Product Name	**Rigid LVT Flooring** (as given by the sponsor)
Report No / Issue No	CR 17-0022-01
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1. Introduction

This classification report defines the classification assigned to Rigid LVT Flooring, in accordance with the procedures given in EN 13501-1:2010

2. Details of classified product

2.1 General

The product Rigid LVT Flooring is defined as being suitable for floor covering applications.

2.2 Product description

The product, Rigid LVT Flooring is described below and in the test report(s) listed in Clause 3.1.

Product description	raw materials: PVC, CaCO3Colour: Grey
Composition of use-surface	PVC
Composition of backing layer	PVC, CaCO3
Flame retardant details	The manufacturer declares that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitations 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.

3. Reports and Results in support of Classification

3.1 Test reports

Name of test laboratory	Name of sponsor	Test report number	Test method
Ghent University, Department of Textiles	Taizhou Huali Plastic Co., Ltd.	17-0022-01 17-0022-02	EN ISO 9239-1
Ghent University, Department of Textiles	Taizhou Huali Plastic Co., Ltd.	17-0022-01 17-0022-02	EN ISO 11925-2

3.2 Test results

Test method	Parameter	No. of tests	Results	
			Average	Compliance
EN ISO 9239-1	Critical flux (kW/m²)	**3**	≥11	B_{fl}
	Smoke (%.min)		85	s1
EN ISO 9239-1	Critical flux (kW/m²)	**3**	≥11	B_{fl}
	Smoke (%.min)		90	s1
EN ISO 11925-2	Fs	**6**	Pass	Pass
EN ISO 11925-2	Fs	**6**	Pass	Pass

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2007

4.2 Classification

The product, Rigid LVT Flooring, in relation to its reaction to fire behavior is classified: **B_{fl}**

The additional classification in relation to smoke production is: **s1**

Reaction to fire classification: B_{fl} – s1

4.3 Field of application

This classification is valid for the following product parameters:

	Min.	Max.
Range of Total mass (kg/m²)	6.45	8.82
Range of Total thickness (mm)	3.5	5.0

This classification is valid for the following end use applications:

Deposition method	Not specified
Substrates	Euroclass A2
Joints	Not applicable.
Other aspects of end use conditions	Indoor flooring

5. Limitations

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

Johanna Louwagie
Head of certification

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Head of Department