

## Classification report

### CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1: 2007

<b>Manufacturer</b>	
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<b>Notified Body N°</b>	<b>1611</b>
<b>Product Name</b>	<b>Wood Plastic Composite (WPC) (as given by the applicant)</b>
<b>Report N°/Issue N°</b>	<b>CR-13-580/01</b>
<b>Date of issue</b>	<b>20/08/2013</b>

#### 1. Introduction

This classification report defines the classification assigned to Wood Plastic Composite (WPC), in accordance with the procedures given in EN 13501-1:2007

#### 2. Details of classified product

##### 2.1 General

The product Wood Plastic Composite (WPC) is defined as being suitable for floor covering applications.

##### 2.2 Product description

The product, Wood Plastic Composite (WPC) is described below.

Product description	Raw material: The first recycle wood fiber, the first recycle plastic and additives
Composition of use-surface	The first recycle wood fiber, the first recycle plastic and additives
Composition of backing layer	The first recycle wood fiber, the first recycle plastic and additives
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 applicant	Test report number	Test method
Ghent University, Department of Textiles	Huzhou New Insight WPC Technology Co.,Ltd.	13-580A 13-580B	EN ISO 9239-1

#### 3.2 Test results

Test method	Parameter	No. of tests	Results	
			Average	Compliance
EN ISO 9239-1	Critical flux (kW/m <sup>2</sup> )	4	8.5	B <sub>fl</sub>
	Smoke (%.min)		701	s1
EN ISO 9239-1	Critical flux (kW/m <sup>2</sup> )	4	6.8	C <sub>fl</sub>
	Smoke (%.min)		982	s2

### 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, Wood Plastic Composite (WPC), in relation to its reaction to fire behaviour is classified:

**C<sub>fl</sub>**

The additional classification in relation to smoke production is: **s2**

**Reaction to fire classification: C<sub>fl</sub> – s2**

#### 4.3 Field of application

This classification is valid for the following product parameters:

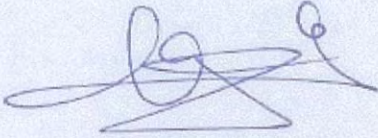
	Min.	Max.
Range of Total mass (kg/m <sup>2</sup> )	12.9	40
Range of Total thickness (mm)	10	31

This classification is valid for the following end use applications:

Deposition method	Loose laid
Substrates	Euroclass A2
Joints	Not applicable.
Other aspects of end use conditions	Outdoor decking, flooring, wall cladding, decoration board, railing, fencing

## 5. Limitations

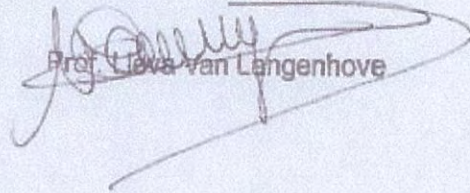
This classification document does not represent type approval or certification of the product.



Johanna Louwagie  
Head of certification



Prof. Dr. Paul KIEKENS, dr. h. c.  
Head of Department



Prof. Tijsa van Langenhove