

## ***Reaction to fire classification report Nr 14582C***

### **Owner of the classification report**

DESIGN COMPOSITE GmbH  
Klaugasse 32  
5730 Mittersill  
AUSTRIA

### **Introduction**

This classification report defines the classification assigned to the floor covering 'Clear-PEP® UV PC stage 40' in accordance with the procedures given in the standard EN 13501-1+A1: 2009: Fire classification of construction products and building elements – Part 1 : Classification using data from reaction to fire tests.

**This classification report consists of 4 pages**

## 1. DETAILS OF CLASSIFIED PRODUCT

### a) Nature and end use application

The product 'Clear-PEP® UV PC stage 40' is defined as a 'double-walled PC sheet'. Its classification is valid for the following end use application(s):  
 "Raised floors"

### b) Description

The tested material is a double-walled PC sheet consisting of a PC-TRI core with a 2 mm textured polycarbonate facing on both sides.

	Nominal values (*)
Thickness (mm)	40
Mass per unit area (g/m <sup>2</sup> )	9700

(\*) based on the information given by the sponsor.

## 2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

### a) Test reports

Name of the laboratory	Name of the sponsor	Test report ref. no.	Test method
WFRGENT N.V. Ghent, Belgium	Design Composite GmbH	14582B	EN ISO 9239-1 (January 2002)
WFRGENT N.V. Ghent, Belgium	Design Composite GmbH	14582A	EN ISO 11925-2 (February 2002)

b) Test results

Test method	Parameter	Number of tests	Results		Criteria for Class Bfl-s1	
			Continuous parameter Mean	Compliance parameter	Continuous parameter	Compliance parameter
EN ISO 11925-2 (*) (1) 15s flame application: <u>surface exposure</u> - front side	$F_s \leq 150\text{mm}$ Ignition filter paper	6	(-) (-)	Yes No	(-) (-)	Yes No
EN ISO 9239-1 (2)	Critical flux (kW/m <sup>2</sup> ) Smoke attenuation (% min)	4	$\geq 11$ 3,6	(-) (-)	$\geq 8,0$ $\leq 750$	(-) (-)

(-) not applicable

(\*) The material did not melt nor pull away from the pilot burner.

(1) Based on the results obtained in test report Nr. 14582A

(2) Based on the results obtained in test report Nr. 14582B

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

a) Reference and direct field of application

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

b) Classification

The product **Clear-PEP® UV PC stage 40** in relation to its reaction to fire behavior is classified as:

Fire behavior	Smoke production
<b>Bfl</b>	<b>s1</b>

c) Field of application

This classification for the product as described in §1b, is valid for the following end use conditions:

- Loosely laid or glued onto any substrate if any.
- Without Joints

This classification is valid for the following product parameters:

- Nominal thickness : 40 mm
- Nominal mass per unit area: 9.7 kg/m<sup>2</sup>

#### 4. RESTRICTIONS

At the time the standard EN 13501-1+A1:2009 was published, no decision was made concerning the duration of validity of a classification report.


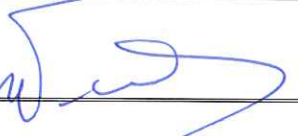
#### 5. WARNING

This classification report does not represent type approval nor certification of the product.

The following statement is included in accordance with Fire Sector Group Recommendation 001rev2:

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 aimed to be relevant to the samples tested and that will provide for their traceability."

Report	Name	Signature (*)	Date
Prepared by	ir. Kim CATRY		02 NOV. 2010
Reviewed by	Prof. Dr. Ir. Paul VANDEVELDE		02 NOV. 2010

(\*) For and on behalf of "WFRGENT N.V."

EN 13501-1 B<sub>1</sub>-C<sub>1</sub>-D<sub>1</sub> WG 3E\*

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