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## 1 Introduction

This classification report defines the classification assigned to Polysafe Hydro Evolve (as described by the sponsor) in accordance with the procedures given in EN 13501-1:2007+A1:2009.

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

**Sponsor:** Polyflor Limited  
**Prepared by:** BTTG Testing & Certification Ltd  
**Product name:** Polysafe Hydro Evolve  
**Classification report no.:** 26/02024C/03/16 (Classification)  
**Issue number:** 1  
**Date of issue:** 18 April 2016

This classification report consists of four pages and may only be used or reproduced in its entirety.





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## 2 Details of classified product

### 2.1 General

The product, Polysafe Hydro Evolve, is defined as a type of product according to BS EN 14041.

### 2.2 Product description

The product, Polysafe Hydro Evolve, is described below as:-

Nominal Thickness: 2.0mm  
Weight Per Unit Area: 2.65kg/m<sup>2</sup>  
Batch No: 1W836  
Shade: 4253 Colorado

## 3 Reports and results in support of this classification

### 3.1 Reports

| Name of Laboratory | Name of sponsor  | Report ref. no. | Test method and date Field of application rules and date" |
|--------------------|------------------|-----------------|---|
| BTTG T & C Ltd     | Polyflor Limited | 26/02024A/03/16 | BS EN ISO 11925-2:2010<br>BS EN ISO 9239-1:2010           |





### 3.2 Results

| Test method and test number | Parameter                          | No. Tests (specimens) | Results                         |  |
|-----------------------------|------------------------------------|-----------------------|---------------------------------|--|
|                             |                                    |                       | Continuous parameter - mean (m) | Compliance with Class B <sub>FL</sub> -s1 parameters |
| BS EN ISO 11925-2:2010      | FS (mm)                            | 6                     | <150mm within 20s               | Compliant  |
|                             | Flaming Droplets / particles       |                       | No                              | Compliant  |
| BS EN ISO 9239-1:2010       | Critical Flux (kW/m <sup>2</sup> ) | 3                     | ≥11.0kW/m <sup>2</sup>          | Compliant  |
|                             | Smoke (% min)                      |                       | 129% x min                      | Compliant  |

## 4 Classification and field of application

### 4.1 Reference of classification

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

### 4.2 Classification

The product Polysafe Hydro Evolve, in relation to its reaction to fire behaviour is classified:

**B<sub>FL</sub>**

The additional classification in relation to smoke is:

**s1**

| Fire behaviour        |   | Smoke production |          |
|-----------------------|---|------------------|----------|
| <b>B<sub>FL</sub></b> | - | <b>s</b>         | <b>1</b> |

**Reaction to fire classification: B<sub>fl</sub> s1**



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#### 4.3 Field of application

This classification is valid for the following product parameters:

|                       |                       |
|-----------------------|-----------------------|
| Nominal Thickness:    | 2.0mm                 |
| Weight Per Unit Area: | 2.65kg/m <sup>2</sup> |
| Batch No:             | 1W836                 |
| Shade:                | 4253 Colorado         |

The classification is valid for the following end use applications:

The sample was tested over a fibre cement board (ISO 390) with a thickness of (6±1)mm and a density of (1,800±200) Kg/m<sup>3</sup> representing the standard substrate of Class A1fl or A2fl.

Installation where the flooring is adhered using Balls F74 Adhesive.

#### 5 Limitations

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

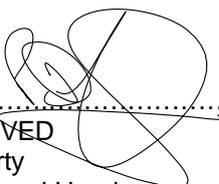
The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the products 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, supplied by the manufacturer, to provide for traceability of the samples tested."

An estimation of uncertainty of measurement has not been taken into account when making a judgement to any pass/fail criteria.

  
.....  
SIGNED  
B Marsden (Mrs)  
Fire Technician

  
.....  
APPROVED  
P Doherty  
Operational Head

Enquiries concerning this report should be addressed to Customer Services.

