

# TFI Report 20-000977-04

## Classification

of the Reaction to Fire according to EN 13501-1:2010

### Customer

Polyflor Ltd.  
P.O. Box 3  
Manchester M45 7NR  
UNITED KINGDOM

### Product

resilient floor covering  
Conceptline, Cavalio 0.3

This report includes 4 pages and 0 annex(es).

### Responsible at TFI

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**Aachen, 16 November 2020**



**Dr. Andreas Zoëga**  
- head of testing laboratory -

The present document is provided with an advanced electronic signature.

This report only applies to the tested samples and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the TFI Aachen GmbH, also with regard to the order execution.

## 1 Transaction

|                        |   |
|------------------------|---|
| Test order             | Classification of the reaction to fire according to EN 13501-1:2010 |
| Order date             | 04 August 2020  |
| Your reference         | 2250090   |
| Product designation(s) | Conceptline, Cavalio 0.3  |
| TFI sample number      | 2001457   |

## 2 Product specification

The construction product is completely described in the test reports mentioned under item 3. The test report provide the basis for the present classification.

## 3 Results

### 3.1 Test reports and test results used for the classification

| Test laboratory | Customer      | Test report no.                        | Test method                                 |
|-----------------|---------------|--|---|
| TFI Aachen GmbH | Polyflor Ltd. | 20-000977-03<br>dated 16 November 2020 | EN ISO 9239-1:2010                          |
|                 |               |  | EN ISO 11925-2:2020<br>(15 s ignition time) |

### 3.2 Test results

|         | Test method         | Parameter                                       | Number of tests | Result     |                              |
|---------|---------------------|---|-----------------|------------|------------------------------|
|         |                     |   |                 | Mean value | Requirements fulfilled (Y/N) |
| Product | EN ISO 9239-1:2010  | Average critical heat flux [kW/m <sup>2</sup> ] | 3               | ≥ 11.0     |                              |
|         |                     | Integrated smoke value [% x min.]               |                 | 230        |                              |
|         | EN ISO 11925-2:2020 | Flame tip < 150 mm                              | 6               | -          | Y                            |

### 3.3 Classification and field of application

The construction product "Conceptline, Cavalio 0.3" is classified as follows with regard to the reaction to fire:

**B<sub>fl</sub>**

The additional classification with regard to the smoke development is:

**s1**

The additional classification with regard to burning droplets/particles is:

-

The format of the reaction to fire classification for floor coverings is:

| Reaction to fire      |   | Smoke development |          |
|-----------------------|---|-------------------|----------|
| <b>B<sub>fl</sub></b> | - | <b>s</b>          | <b>1</b> |

**Classification of the reaction to fire: B<sub>fl</sub> - s1**

The measurement results are evaluated without consideration of the measurement uncertainty with reference to compliance with limit values, unless otherwise specified by the test standard.

**This classification is valid for the following end use application:**

|                                       |  |
|---------------------------------------|--|
| Type of end use application           | flooring   |
| Substrate                             | noncombustible substrates (Euroclass A1 and A2-s1,d0)<br>with a gross density $\geq 1350 \text{ kg/m}^3$ |
| Underlay for installation             | no   |
| Type of fixation                      | glued and unglued  |
| Joint according to EN ISO 9239-1:2010 | no   |

**Limitations**

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

The classification assigned to the construction product in this report is suited for a declaration of conformity by the manufacturer or a Declaration of Performance within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive or Construction Products Regulation.

The manufacturer has made a declaration, which is held on file. This declaration confirms that the design of the product does not require any specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic contents 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 for the attestation of conformity respectively system 3 for the assessment and verification of the constancy of performance 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.