

# Report of the classification of the reaction to fire performance

**No. 230007001-2-2**  
issued 7 December 2009

## English version

**Sponsor:** EGGER Retail Products GmbH & Co. KG  
Im Kissen 19  
  
59929 Brilon

**Order:** Classification of the reaction to fire behaviour  
according to DIN EN 13501-1

**Date of order:** 10 June 2009

### **Name of the classified building product:**

EGGER Laminate floorings with the product structure "DPL"

This report gives the classification of the above-mentioned building product in accordance with the procedures given in DIN EN 13501-1.

## 1 Description of the building product

Products of the group named "DPL" are composed as follows:

- Laminate flooring equipped with an overlay paper applied to a decorative paper layer impregnated with melamine resin which is attached to a HDF-substrate board. The HDF-board named "Quell-Stopp Plus" has an "Imprägnat" as balancing. Under this HDF-board may be located a paperboard mat, named "kaschierte spezial Cellulose"-layer. The paperboard mat has a thickness of approx. 1.0 mm to 2.5 mm, the HDF-board has a thickness of approx. 5.0 mm to 7.0 mm.

The total thickness is approx. 6.0 mm to 10.2 mm and the total weight per unit area is approx. 5.5 kg/m<sup>2</sup> to 8.1 kg/m<sup>2</sup>.

## 2 Test reports and test results supporting this classification

### 2.1 Test reports

| Name of the laboratory | Sponsor                             | Number of the test report | Test procedure   |
|------------------------|-------------------------------------|---------------------------|--|
| MPA NRW                | EGGER Retail Products GmbH & Co. KG | 230007001-1-2             | EN ISO 9239 – 1<br>EN ISO 11925 – 2<br>(15 s Flame exposure) |

### 2.2 Test results

| Test method                             | Parameter                                  | Number of tests performed | Test results  |                        |
|---|--|---------------------------|---------------|------------------------|
|   |  |                           | Average value | Requirements fulfilled |
| DIN EN ISO 11925<br>15 s Flame exposure | Flame spread<br>≤ 150 mm                   | 6                         | --            | Yes                    |
| DIN EN ISO 9239-1                       | Critical Heat Flux<br>(kW/m <sup>2</sup> ) | 3                         | 7,4           |                        |
|   | Smoke (%xmin)                              | 3                         | 19            |                        |

The test procedure is described in the test report no. 23000701-1-2.

### 3 Classification and direct field of application

#### 3.1 Reference

The classification was carried out in accordance with the clauses 12 and 14.2 of the standard DIN EN 13501-1 : 2007.

#### 3.2 Classification

The tested flooring in relation to its fire behaviour is classified as: **C<sub>fl</sub>**

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

The classification of the reaction to fire performance is therefore :

| Fire behaviour        |    | Smoke development |
|-----------------------|----|-------------------|
| <b>C<sub>fl</sub></b> | -- | <b>s1</b>         |

i.e. **C<sub>fl</sub> – s1**

#### 3.3 Field of application of the product

The classification is valid solely for the building product described in clause 1 when used as flooring, laid horizontally – with or without adhesive – on substrates of Euro class A 1 or A 2 according to DIN EN 13501-1 with a density of at least 1350 kg/m<sup>3</sup>.

### 4 Restrictions

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

This classification report written in English language is issued additionally to the report written in German language with the same report number. In case of doubt the German version is valid solely.

Erwitte, 7 December 2009

Head of the testing body

(Dipl.-Ing. Rademacher)



Engineer in charge

(W.Brune)

Date of issue of this English version: 14 January 2010