

Report of the classification of the reaction to fire performance

No. 230005016-2-7
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English version

Client : LaminatePark GmbH & Co KG
Werkstraße
66265 Heusweiler

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

Date of order: 7 October 2009

Name of the building product which is to be classified:

Laminate floor coverings of the group named "**Gruppe DPL**"
The product names are: "Aquastyle 832", "Smart Pro 832"

This report is to determine the classification of the above-mentioned building product in accordance with the test method stated in the standard DIN EN 13501-1.

1 Description of the building product

Floor coverings with the name "**Gruppe DPL**" are laminate floor coverings. The floor coverings can be used with or without insulation layer. The laminate floor has the following composition:

- laminate top layer with a weight per unit area of approx. 0.105 kg/m² to 0.132 kg/m² and a thickness of approx. 0.1 mm.
- substrate is made of a HDF-fibre board with a weight per unit area of approx. 5.7 kg/m² to 7.39 kg/m² and a thickness of approx. 5.8 mm to 7.4 mm.
- stabilizing layer made of a DPL-board with a weight per unit area of approx. 0.105 kg/m² to 0.132 kg/m² and a thickness of approx. 0.1 mm.

The layers "Soundblockfoam 3 mm", "Tarkettfoam 2 mm" and "Selitac 2.2 mm" are used as insulation layers.

2 Test reports and test results which form the basis of the classification

2.1 Test reports

Name of the laboratory	Client	Number of the test report	Test procedure
MPA NRW	LaminatePark GmbH & Co KG	230005016-1-3	EN ISO 9239 – 1 EN ISO 11925 – 2 (15 s flame exposure)

2.2 Test results

Remark: In the table the tests of the product variant are stated which achieved the most unfavourable test result concerning the fire behaviour in the preliminary tests. The results of the other variants are also listed in the above-mentioned test report.

Test procedure	Parameter	Number of tests performed	Test results	
			Average values	Requirements fulfilled
DIN EN ISO 11925 15 s flame exposure	Flame spread ≤ 150 mm	6	--	Yes
DIN EN ISO 9239-1	Critical Heat Flux (kW/m ²)	3	6,9	
	Smoke (%xmin)	3	21	

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 floor covering in relation to its fire behaviour is classified as: **C_{fl}**

The additional classification regarding the smoke production is: **s1**

This results in a classification of the fire performance of the tested floor covering:

Fire behaviour	Smoke production
C_{fl}	s1

i.e. **C_{fl} – s1**

3.3 Field of application of the product

The classification is valid solely for the product described in clause 1 under the following conditions:

- horizontally laid floor covering
- laid on substrates of euro classes A1 or A2 according to DIN EN 13501-1 with a density of at least 1350 kg/m³
- glued or not glued with commercially available adhesives
- without insulation layer
- with the insulation layers "Soundblockfoam 3 mm", "Tarkettfoam 2 mm" and "Selitac 2.2 mm"

4 Restrictions


This document does not represent a type approval or a 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.

This classification report is only valid in combination with the German version of the classification report.


Erwitte, 23 February 2010

Head of the testing body


 (Dipl.-Ing. Rademacher)



Engineer in charge


 (W.Brune)