

# MFPA Leipzig GmbH

Testing, inspection and certification body for building materials, building products and building systems

Division III - Structural Fire Protection

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Team 3.1 - Fire Behaviour of Building Products

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## Classification report no. KB 3.1/16-213-1

Reaction to fire classification report

from 01 June 2016

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Client: Kraiburg Relastec GmbH & Co. KG  
Fuchsberger Straße 4  
29410 Salzwedel  
Germany

Order: Fire behaviour classification according to DIN EN 13501-1:2010\*

Subject matter: Impact protection slabs "EUROFLEX® Fallschutzplatten"

Date of order: 31 May 2016

Person in charge: Nick Neumann, M.Sc.

This classification report replaces the classification report KB 3.1/13-212-1 from 19 June 2013.

This document consists of 3 pages.

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## 1 Details of classified product

### 1.1 General

The building product "EUROFLEX® Fallschutzplatten" is defined as impact protection slabs tested according to DIN EN 1177 which can be used underneath playground equipment outdoors and indoors.

According to the client, this building product is not subjected to any harmonised European product standard.

### 1.2 Description

The building product "EUROFLEX® Fallschutzplatten" is described as follows.

According to the client, the building product to be classified is "EUROFLEX® Fallschutzplatten" with thicknesses from 30 mm to 80 mm. They can be used as impact protection slabs according to DIN EN 1177 underneath playground equipment outdoors and indoors. They consist of recycled tire granulate and MDI polyurethane as binding agent. The colour of the building product was black and red.

## 2 Test reports and test results in support of this classification

### 2.1 Reports

Name of laboratory	Client	Report no.	Test method
MFPA Leipzig GmbH	Kraiburg Relastec GmbH & Co. KG	PB III/B-07-024 from 22/01/2007	DIN EN ISO 11925-2 Building Rules List A Part 1, Edition 2015/2, enclosure 0.2.3

### 2.2 Results

Test method and test number	Parameter	Number of tests	Results	
			constant parameters, average value (m)	discrete parameters
DIN EN ISO 11925-2	$F_s \leq 150$ mm	14	(-)	compliant
	No flaming droplets/particles		(-)	compliant

(-) not applicable

## 3 Classification and field of application

### 3.1 Reference for classification

This classification was carried out in accordance with DIN EN 13501-1:2010.

### 3.2 Classification

The building product, "EUROFLEX® Fallschutzplatten",

in relation to its reaction to fire behaviour is classified:

E

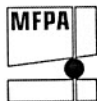
The additional classification in relation to smoke production is:

-

The additional classification in relation to flaming droplets/particles is:

-

The format of the reaction to fire classification for building products excluding floorings and pipe thermal insulation products is:



Fire behaviour	Smoke production			Flaming droplets/particles	
E	-	-	-	,	-

i. e. E

**Reaction to fire classification: E**

### 3.3 Area of application

This classification is valid for the following product parameters:

- The structure described in section 1.2 and the specified composition of the product to be classified must be used.
- The building product must be made of 90% recycled tire granulate and approximately 10% MDI polyurethane as binding agent.
- The building product may have an area density between 20.8 kg/m<sup>2</sup> at a thickness of 30 mm and 48.0 kg/m<sup>2</sup> at a thickness of 80 mm.
- The building product may be produced in any colour.

### 4 Limitations

- (1) A combination with other building products, especially insulating materials with other gross density ranges than specified in section 3.3, can have an adverse effect on the fire behaviour so that the classification in section 3.2 is no longer valid. The fire behaviour in combination with other building products or for other gross density ranges or thickness ranges must be tested separately.
- (2) The classification document is not a type approval or product certification and does not replace a verification according to German building law (*Landesbauordnung* [state building code]), which may be required.
- (3) This classification report is valid as long as the product composition or the product design, the raw materials or the production process and the construction regulations or the basis for the evaluation do not change.

The results of the tests refer exclusively to the test items described herein and not to other items of the same variety. This document does not replace any certificate of conformity or usability as defined by the building regulations (national/European).

Leipzig, 01 June 2016

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Dipl.-Ing. S. Hauswaldt

Head of Division

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N. Neumann, M.Sc.

Head of Laboratory