

# Report of the classification of the reaction to fire performance

**No. 230006503-2-1**  
issued 2 June 2008

**English version**

**Sponsor :** AVK GUMMI A/S  
Mosegaardsvej 1  
8670 Laasby

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

**Date of order:** 16 May 2008

**Name of the classified product:**

Synthetic rubber floor covering named  
“**ERGOMAT ® NITRIL F**“ or “**ERGOMAT ® PLANO F**“

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

The material was delivered for the test with a different name.

## 1 Description of the building product

The building product named "ERGOMAT ® NITRIL F" or "ERGOMAT ® PLANO F" is a floor covering assembled as follows:

The synthetic rubber floor covering has round pimples (round structures) on the top layer with a diameter of approx. 16 mm and a height of approx. 2 mm (ERGOMAT ® PLANO F) and approx. 5,0 mm (ERGOMAT ® NITRIL F).

The back side of the floor covering has a rhombic pattern (ERGOMAT ® PLANO F) or a line pattern (ERGOMAT ® NITRIL F).

The total thickness of the floor covering is approx. 11.4 mm to 11.5 mm and the total weight per unit area is approx. 6.2 kg/m<sup>2</sup> to 6.5 kg/m<sup>2</sup>.

## 2 Test reports and test results supporting the classification

### 2.1 Test reports

Name of the laboratory	Sponsor	Number of the test report	Test procedure
MPA NRW	AVK GUMMI A/S	230006503-1	DIN EN ISO 9239 – 1 DIN EN ISO 11925 – 2 (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 15 s Flame exposure	Flame spread ≤ 150 mm	6	--	Yes
DIN EN ISO 9239-1	Critical heat Flux (kW/m <sup>2</sup> )	3	9.6	
	Smoke (%xmin)	3	314	

### 3 Classification and direct field of application

#### 3.1 Reference

The classification was carried out in accordance to 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 reaction to fire behaviour is classified as : **B<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>B<sub>fl</sub></b>	--	<b>s1</b>

i.e. **B<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 floor covering, laid horizontally – with or without adhesive – on substrates of Euro class A1 or A2 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, 17 June 2008

Head of the testing body

(Dipl.-Ing. Rademacher)



Engineer in charge

*O. Rickert*

(Dipl.-Ing. Olaf Rickert)