

Report of the classification of the reaction to fire performance

No. 230006349-2
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English version

Sponsor : Ergomat A/S
Sunekaer 13-15

DK-5471 Sonderso

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

Date of order: 18 February 2008

Name of the classified product:

Flooring named "**ERGOMAT SUPERELASTIC AFB**" and "**ERGOMAT SUPERELASTIC AFS**"

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

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.

1 Description of the building product

The building product named "ERGOMAT SUPERELASTIC AFB" and "ERGOMAT SUPERELASTIC AFS" is a flooring made from polyurethane-flexible foam. The surface consists of round pimples with a diameter of approx. 17 mm and a height of approx. 0.5 mm to 4.0 mm.

The total thickness of the flooring is approx. 11.5 mm - 15 mm and the total weight per unit area is approx. 4.0 kg/m² - 4.8 kg/m².

2 Test report and test results supporting the classification

2.1 Test reports

Name of the test laboratory	Sponsor	Number of the test report	Test procedure
MPA NRW	Ergomat A/S	230006349-1	EN ISO 9239 – 1 EN ISO 11925 – 2 (15 s flame exposure)

2.2 Test results

Test method	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	7.3	
	Smoke (%xmin)	3	463	

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 reaction to fire behaviour is classified as: **C_{fl}**

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

The classification of the reaction to fire performance is therefore:

Fire behavior		Smoke development
C_{fl}	--	s1

i.e. **C_{fl} – s1**

3.3 Field of application of the product

The classification is solely valid for the building product described in clause 1.1 for the use as flooring. It has to be installed horizontally, with or without adhesive, onto substrates of euro class A1 or A2 according to DIN EN 13501-1 with a density of at least 1350 kg/m³.

4 Restrictions

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

Erwitte, 25 March 2008

Head of the notified testing body



(Dipl.-Ing. Rademacher)



Engineer in charge



(W.Brune)

Date of issue of this English version: 7. October 2009

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