

Report of the classification of the reaction to fire performance

No. 230008670-2
Issued 12 November 2012

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: 2 October 2012

Notified Body no: -0432-

Name of the classified building product:

Flooring named "**Ergomat Infinity Bubble**" and "**Ergomat Infinity Smooth**"

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

1 Description of the building product

The building product named „Ergomat Infinity Bubble“ and „Ergomat Infinity Smooth“ is a flooring mat and is composed as follows:

The mats made of polyurethane flexible foam have round pimples on the surface with a diameter of approx. 18 mm and a height of approx. 0,5 mm (Ergomat Infinity Smooth) and 4,0 mm (Ergomat Infinity Bubble). The mats with dimensions of 93 cm x 63 cm x 14,5 mm have a weight of (Ergomat Infinity Bubble) 2600 g and (Ergomat Infinity Smooth) 2200 g with a thickness of 11 mm.

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

2.1 Test reports

Name of the laboratory	Sponsor	Number of the test report	Test method
MPA NRW	Ergomat A/S	230008670-1 of 12.11.2012	EN ISO 9239 – 1 EN ISO 11925 – 2 (15 s flame impingement)

2.2 Test results

Test method	Parameter	Number of tests	Test results	
			Average values	Requirements fulfilled
DIN EN ISO 11925 15 s flame impingement	Flame spread ≤ 150 mm	6	--	yes
DIN EN ISO 9239-1	Critical heat flux (kW/m ²)	3	5.9	
	Smoke (%xmin)	3	349	

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: 2010.

3.2 Classification

The tested flooring 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 reaction to fire behaviour of the tested flooring:

Fire behaviour		Smoke production
C_{fl}	--	s1

i.e. **C_{fl} – s1**

3.3 Field of application of the product

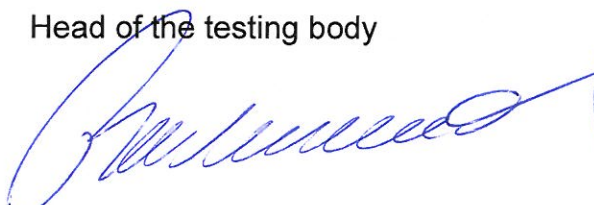
The classification is solely valid for the building product described in clause 1.1 when it is used as flooring, laid horizontally – with or without adhesive – onto substrates classified as A1 or A2 according to DIN EN 13501-1 with a density of at least 1350 kg/m³.

4 Restrictions

This classification report does not replace any 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 solely valid.

Erwitte, 12 November 2012

Head of the testing body


(Dipl.-Ing. Rademacher)



Engineer in charge


(W. Brune)

Date of issue of this English version: 6 December 2012