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Materialprüfungsamt Nordrhein-Westfalen
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Report of the classification of the reaction to fire performance

No. 230010043-5

issued 02 June 2015

English version

Sponsor

BASF SE
Carl-Bosch-Str. 38

67056 Ludwigshafen
DEUTSCHLAND

Order

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

Date of order:

25 November 2014

Name of the classified building product:

Flexible foam boards „Basotect B“ with thicknesses > 15 mm up to 80 mm

This report determines the classification of the above-mentioned building product in accordance with the procedure given in DIN EN 13501-1 „Fire classification of construction products and building elements – part 1: classification using data from reaction to fire tests; German version EN 13501-1: 2007+A1:2009“, edition January 2010.

This classification report consists of 4 pages
MPA NRW is notified body with the ident.-no. 0432.

1. Description of the building product

Flexible melamine resin foam boards named „Basotect B“.

Thickness: > 15 mm up to 80 mm including
Density: approx. 7.5 kg/m³
Colour: white

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	BASF SE Carl-Bosch-Str. 38 67056 Ludwigshafen GERMANY	230010043-4 of 02 June 2015	**DIN EN 13823**
MPA NRW	BASF SE Carl-Bosch-Str. 38 67056 Ludwigshafen GERMANY	230010043-2 of 02 June 2015	**DIN EN ISO 11925-2**

2.2 Test results

Test method	Number of tests	Parameter	Test results	
			Continuous parameter average values	Discrete parameter
DIN EN 13823	6	FIGRA $_{0,2}$ (W/s)	404,0	--
		FIGRA $_{0,4}$ (W/s)	208,7	--
		THR$_{600s}$ (MJ)	2,5	yes
		LFS < outer edge	--	--
		SMOGRA (m²/s)	97,0	--
		TSP$_{600s}$ (m²)	199,3	--
		burning droplets/particles (s)	0	

Remark: The values for SMOGRA and TSP$_{600s}$ were calculated by using the alternative calculation procedure according to DIN EN 13823, remark to clause A.6.1.2.

Test method	Number of tests	Parameter	Test results	
			Continuous parameter average values	Discrete parameter
DIN EN ISO 11925-2	12 x K and 18 x F	$F_S \leq 150$ mm	--	yes
		Burning droplets / particles	--	no

Remark: K = tested with flames exposed to the edge, F = tested with flames exposed to the surface

3. Classification and direct field of application

3.1 Reference

The classification was carried out in accordance with the clauses 11. and 14.1 of the standard DIN EN 13501-1:2010.

3.2 Classification

The tested material in relation to its fire behaviour is classified as: **C**

The additional classification regarding the smoke production is: **s2**

The additional classification regarding burning droplets / particles is: **d0**

This results in a classification of the reaction to fire behaviour of the tested material:

Fire behaviour	Smoke production	Burning droplets / particles
C	**s2**	**d0**

i.e. ***C – s2, d0***

3.3 Field of application of the product

The classification is solely valid for the product described in clause 1 for the following fields of application:

- Directly laid and mechanically fixed onto substrates classified as A1 and A2-s1,d0 with a density of at least 653 kg/m³ and a thickness of at least 9 mm.

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

Erwitte, 2 June 2015
P.p.

Dipl.-Ing. Rademacher
Head of the testing body

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