

Report of the classification of the reaction to fire behaviour

Nr. 230011351-3
of 16.04.2018

English version

Auftraggeber : MARBURGER TAPETENFABRIK
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Order: Reaction to fire classification according to DIN EN 13501-1

Date of order: 20 February 2018

Name of the classified building product:

Boards "Rigidur H", one-sided glued with the decorative wallcovering according to DIN EN 15102 "Article No. 59902"

This report determines the classification of the above-mentioned building product in accordance with the method specified in DIN EN 13501-1:2010-01.

1 Description of the building product

Boards "Rigidur H", one-sided glued with the decorative wallcovering according to DIN EN 15102 "Article No. 59902".

The wallcovering is glued onto the "Rigidur H" boards using approx. 200 g/m² of "Metylan NP Power Granulat plus" adhesive from Henkel.

Raw density of the boards "Rigidur H"	approx. 1256 kg/m ³
Thickness of the boards "Rigidur H"	approx. 10 mm to 20 mm
Colour of the boards "Rigidur H"	grey
Colour of the wallcovering	white
Total weight per unit area of the wall covering	approx. 440 g/m ²
Applied quantity coating of the wall covering	approx. 290 g/m ²

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

2.1 Test reports

Name of the laboratory	Sponsor	Test report number	Test method
MPA NRW	MARBURGER TAPETENFABRIK J. B. Schaefer GmbH & Co. KG Bertram-Schaefer-Str. 11 35274 Kirchhain	230011351-1 of 16.04.2018	DIN EN 13823
MPA NRW	MARBURGER TAPETENFABRIK J. B. Schaefer GmbH & Co. KG Bertram-Schaefer-Str. 11 35274 Kirchhain	230011351-2 of 16.04.2018	DIN EN ISO 11925-2

2.2 Test results

Test method	Number of tests	Parameter	Test results
DIN EN 13823	3	FIGRA _{0,2 MJ} (W/s)	57
		FIGRA _{0,4 MJ} (W/s)	48
		THR _{600s} (MJ)	2.6
		LFS	< edge
		SMOGRA (m ² /s ²)	1
		TSP _{600s} (m ²)	34
		Duration of production of flaming droplets / particles (s)	0
DIN EN ISO 11925-2 Flame impingement: 30 s	12	F _s (mm) Flaming droplets / particles	≤ 150 no

Information:

The values for SMOGRA and TSP_{600s} were calculated using alternatively, calculation method according to DIN EN 13823, remark to clause A.6.1.2.

3 Classification and direct field of application

3.1 Reference

The classification was carried out in accordance with clauses 11 and 14.1 of the standard DIN EN 13501-1:2010-01.

3.2 Classification

The classification assigned to the material with regard to its reaction to fire: **B**

The additional classification with regard to smoke production: **s1**

The additional classification with regard to flaming droplets / particles: **d0**

This results in the following reaction to fire classification of the material:

Reaction to fire	Smoke production	Flaming droplets / particles
B	s1	d0

i.e. **B – s1, d0**

3.3 Field of application of the product

The classification is only valid for the building products described in clause 1 on substrates of class A1 and A2-s1, d0 according to DIN EN 13501-1. The minimum thickness of these substrates must be 9 mm and the minimum raw density 653 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, 16.04.2018

By order



Dipl.-Ing. Schreiner
 (Deputy Head of the testing body)




Dipl.-Ing. Olaf Rickert

Date of issue of this English version: 23 April 2018