MPA NRW.
Materialprüfungsamt Nordrhein-Westfalen
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Report of the classification of the reaction to fire behaviour

No. 231001230-3 dated 31.05.2021

English version

Sponsor

VEKA AG
Dieselstr. 8
48324 Sendenhorst

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

Date of order: 19.03.2021

Description / name of the classified building product:

White PVC-U integral foam sheet "VEKAPLAN S-FR"

Sheet thickness: 10 mm to 15 mm

This report determines the classification of the above-mentioned building product in compliance with the procedure specified in DIN EN 13501-1:2019-05.

This classification report consists of 4 pages.

1 Description of the building product

White PVC-U integral foam sheet "VEKAPLAN S-FR".

Thickness	10 mm to 15 mm (± 10%)
Raw density	480 kg/m³ (± 10%)

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	Testing method
MPA NRW	VEKA AG Dieselstr. 8 48324 Sendenhorst	231001230-1 dated 31.05.2021	DIN EN 13823
MPA NRW	VEKA AG Dieselstr. 8 48324 Sendenhorst	231001230-2 dated 31.05.2021	DIN EN ISO 11925-2

2.2 Test results

The test results listed below form the basis of the classification. The test reports listed in section 2.1 contain the results of further tests, which were carried out to determine the least favourable variants regarding the reaction to fire behaviour.
The test procedures can also be seen in the test reports listed in section 2.1.

Testing method	Number of tests	Parameter	Test results
DIN EN 13823	3	$FIGRA_{0,2\ MJ}$ (W/s)	93
		$FIGRA_{0,4\ MJ}$ (W/s)	82
		THR_{600s} (MJ)	7,0
		LFS	< edge
		SMOGRA (m^2/s^2)	174
		TSP_{600s} (m^2)	1018
		Duration of the flaming dripping / dropping of particles (s)	> 10
DIN EN ISO 11925-2 Flame impingement: 30 s	26	F_s (mm)	≤ 150
		Flaming droplets / particles	no

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 13501-1:2019-05.

3.2 Classification

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

The additional classification regarding the smoke production is: **s3**

The additional classification regarding burning droplets / particles is: **d2**

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

Fire behaviour	Smoke production	Burning droplets/particles
B	**s3**	**d2**

i.e. **B-s3, d2**

3.3 Field of product application

The classification is solely valid for the building product described in clause 1 with a distance of at least 40 mm to class A1 or A2-s1, d0 substrates in accordance with DIN EN 13501-1. These substrates must have a thickness of ≥ 11 mm and a raw density ≥ 653 kg/m³.

4 Restrictions

This classification report does not replace a type approval or product certification.

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

Erwitte, 31.05.2021
On behalf

Materialprüfungsamt MPA NRW 38 Nordrhein-Westfalen

Dipl.-Ing. Rademacher
(Head of the testing body)

Dipl.-Ing. Olaf Rickert

Date of issue of this English version: 10.06.2021