

Report of the classification of the reaction to fire behaviour

No. 230011045-2
issued 17 August 2017

English version

Sponsor : Silikal GmbH
Ostring 23

63533 Mainhausen
GERMANY

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

Date of order: 11.05.2017

Name of the classified building product

Floor coating named: „Silikal R 17 Reaktionsharzmörtel“

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

1 Description of the building product

The building product named „Silikal R 17 Reaktionsharzmörtel“ is a floor coating and is composed as follows:

The floor coating consist of a primer “Silikal R 51” with an applied quantity of approx. 0.40 kg/m². The product „Silikal R 17 Reaktionsharzmörtel“ must be applied onto the primer with an applied quantity of approx. 12 kg/m².

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	Silikal GmbH Ostring 23 63533 Mainhausen	230011045-1 of 17.08.2017	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	> 11	--
	Smoke (%xmin)	3	31	--

3 Classification and direct field of application

3.1 Reference

The classification was carried out in accordance with clauses 12 and 14.2 of the standard DIN EN 13501-1: 2010.

3.2 Classification

The classification assigned to the tested floor coating with regard to its reaction to fire is:

B_{fl}

The additional classification with regard to smoke production is:

s1

This results in the following reaction to fire classification of the floor coating:

Reaction to fire	Smoke production
B_{fl}	s1

i.e. **B_{fl} – s1**

3.3 Field of application of the building product

The classification is solely valid for the building product described in clause 1, when it is used as floor coating applied on substrates of Euro class A1 or A2 according to DIN EN 13501-1 with a raw 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, 17.08.2017

On behalf



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




W. Brune
(Person in charge)

Date of issue of this English version: 10 November 2017