

Report of the classification of the reaction to fire behaviour

No. 230009480-2
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English version

Sponsor : Silikal GmbH
Ostring 23

63533 Mainhausen

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

Order date: 5 May 2014

Designation of the classified building product:

Coating system named „System D“

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

1 Description of the classified building products

The building product named „System D“ is a coating system and is composed as follows:

- Primer: Silikal R 52, Ch. 5-327 057 with 3 % hardener powder
 Application rate: approx. 350 g/m²
- Coating: Silikal RV 368, Ch. 11-327 530 and filling material SL
 Preparation: 1700 g RV 368
 3250 g filling material SL
 35 g hardener powder
 Application rate: approx. 5 kg/m²
- All-over interspersion of natural quartz sand Silikal QS, granulation 0.7 – 1.2 mm
 Application rate: approx. 4.75 kg/m²
- Sealing with Silikal R 62, Ch. 0-327 492 and 2% hardener powder
 Application rate: approx. 450 g/m²
 Coating thickness: approx. 3.9 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	Silikal GmbH Ostring 23 63533 Mainhausen	230009480-1 of 28.05.2014	DIN EN ISO 11925 – 2

2.2 Test results

Test method	Number of tests	Parameter	Test results
DIN EN ISO 11925-2 Flame impingement 15 s	12	F _s (mm) Flaming droplets / particles	≤150 no

3 Classification and direct field of application

3.1 Reference

The classification was carried out in accordance with clauses 11, 14.1 and 14.2 of the standard DIN EN 13501-1 : 2010.

3.2 Classification

The classification assigned to the material with regard to its reaction to fire is: **E / E_{fl}**

The additional classification with regard to flaming droplets/particles is: --

The additional classification with regard to smoke production is: --

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

Reaction to fire	Flaming droplets / particles	Smoke production
E / E_{fl}	--	--

i.e. **E / E_{fl}**

4 Field of application

The classification is solely valid for the building product described in clause 1 when it is used as coating system applied onto substrates classified as Euro class A 1 and A2 according to DIN EN 13501-1.

4.1 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, 28 May 2014

Head of the testing body

(Dipl.-Ing. Rademacher)



Engineer in charge

(W. Brune)

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