MPA NRW.
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN ÜBERWACHEN ZERTIFIZIEREN

ßranch Office Erwitte • Auf den Thränen 2 • 59597 Erwitte • Phone (0 29 43) 8 97-0 • Fax (0 29 43) 8 97-33 • E-mail: erwitte@mpanrw.de

Report on the Classification of Fire Behaviour

No. 230011045-2
Dated 17.08.2017

Client : Silikal GmbH
Ostring 23

63533 Mainhausen

Assignment Classification of Fire Behaviour according to DIN EN 13501-1

Order Date 11.05.2017

Designation of the construction product to be classified:

Floor coating designated as 'Silikal R17 Reactive Resin Mortar'

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

1 Description of the Construction Product

The construction product designated 'Silikal R17 Reactive Resin Mortar' is a floor coating and has the following structure:

The floor coating consists of the primer 'Silikal R51' applied at approximately 0.4 kg/m². The 'Silikal R17 Reactive Resin Mortar' then applied on top at approximately 12 kg/m².

2 Test Reports and Test Results Forming the Basis for the Classification

2.1 Test Reports

Laboratory Name:	Client	Test Report No	Test Methods
MPA NRW	Silikal GmbH Ostring 23 63533 Mainhausen	230011045-1 Dated 17.08.2017	**EN ISO 9239 – 1** **EN ISO 11925 – 2** **(15 s Ignition Time**

2.2 Test Results:

Test Methods	Parameter	Number of Attempts	Test Results	
			Mean Values	Requirement Fulfilled
DIN EN ISO 11925 15 s Ignition Time	**Flame Spread ≤ 150 mm**	**6**	--	**Yes**
DIN EN ISO 9239-1	**Critical heat flux (kW/m²)**	**3**	**> 11**	--
	Smoke (%xmin)	**3**	**31**	--

3 Classification and Direct Field of Application

3.1 Reference

The classification was carried out in accordance with sections 12 and 14.2 of DIN EN 13501-1:2010-01.

3.2 Classification

The tested floor coating is classified with regard to its fire performance as: **B_{fl}**

The additional classfication regarding smoke development is **s1**

Thus, the classification of the fire behaviour of the tested floor coating is:

Fire behavior		Smoke Development
B_{fl}	--	**s1**

d.h. **$B_{fl} - s1$**

3.3 Field of Application

The classification applies only to the construction product described in Section 1 when used as a floor coating on substrates of Euroclass A1 or A2 according to DIN EN 13501-1 with a minimum density of 1350 kg/m³.

4 Restrictions:

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

Erwitte, 17.08.2017

Der Leiter der Prüfstelle

(Dipl.-Ing. Rademacher)

Materialprüfungsamt MPA NRW 38 Nordrhein-Westfalen

Engineer in Charge

(W. Brune)