

Exova Brandhaus  
Industriepark Höchst, C369  
Frankfurt am Main  
D-65926  
Germany

T : +49 (0) 69 305 3476  
F : +49 (0) 69 305 17071  
E : Brandhaus@exova.com  
W: www.exova.com



Testing. Advising. Assuring.

# Classification report

## No. 2010-1168-K1-1

issued 01.03.2010

**Customer:** Sika Deutschland GmbH  
Kornwestheimer Str. 107  
  
70439 Stuttgart

**Order:** Classification of the burning behaviour according to  
DIN EN 13501-1 (2010-01)

**Date of order:** 19.01.2010

### Designation of the classified building product

Cover coating designated as "Sikagard 203 W"

This classification report lays down the classification of the building product above according to the procedures of DIN EN 13501-1 (2101-01),

## 1. Description of the material

### 1.1 Details of the customer::

Cover coating designated as "Sikagard 203 W"

Wet application quantity "Sika Bonding Primer": 101 g/m<sup>2</sup> (average)  
Dry application quantity "Sika Bonding Primer": 9,4 g/m<sup>2</sup> (average)

Wet application quantity layer 1 ("Sikagard 203 W"): 328 g/m<sup>2</sup> (average)  
Wet application quantity layer 2 ("Sikagard 203 W"): 333 g/m<sup>2</sup> (average)

Total wet application quantity (1+2): 661 g/m<sup>2</sup> (average)

Dry application quantity layer 1 ("Sikagard 203 W"): 115 g/m<sup>2</sup> (average)  
Dry application quantity layer 2 ("Sikagard 203 W"): 229 g/m<sup>2</sup> (average)

Total dry application quantity layer (1+2): 334 g/m<sup>2</sup> (average)

### 1.2 At the specimen preparation in the Exova Brandhaus determined values:

Coating

Colour: white

Substrate: Fiber cement panel 6 mm

For the test additional with calcium silicate plate 12 mm deposits

**Test reports and test results**

**2.1 Test reports**

Name of test laboratory	Customer	Report to form the basis	Test procedure
<b>Exova Brandhaus</b>	Sika Deutschland GmbH	<b>2010-1168-1</b>	<b>DIN EN 13823 (SBI)</b>  <b>EN ISO 11925-2 (30s ignition time surface ignition)</b>

**2.2 Prüfergebnisse**

Test procedure	Test limits	Number of tests	Test results	
			Average	
EN ISO 11925-2 (30s ignition time surface ignition)	Test parameter	6	6	yes
DIN EN 13823 (SBI)	FIGRA <sub>0,4MJ</sub> [W/S]	3	5,26	yes
	THR <sub>600s</sub> [MJ]		0,83	yes
	SMOGRA-index [m <sup>2</sup> /s <sup>2</sup> ]		9,43	yes
	TSP <sub>600s</sub> [m <sup>2</sup> ]		58,25	yes

### 3 Classification and range of application

#### 3.1 Reference

The classification was carried out according to the chapters 11 of DIN EN 13501-1 (2010-01)

#### 3.2 Classification

The tested material is classified in the class **B** regarding to its burning behaviour.

The tested material is classified in the class **s2** regarding to its smoke development.

The tested material is classified in the class **d0** regarding to its dripping behaviour.

The classification of the tested material is therefore :

# B – s2, d0

#### 3.3 Area of application

The fire test result is only valid for the in chapter one described material on substrate material of the classes A1 and A2 according to DIN EN 13501-1 with a raw density of at least 1350 kg/m<sup>3</sup>.

### 4 Reservation

This classification report replaces not a possible required type admittance or type certification of the product..

This test report replaces the classification report 2010-1168 from March. 1<sup>th</sup> 2010 (date of signature) which is invalid from now on.

Frankfurt, 18<sup>th</sup> March 2010

A handwritten signature in blue ink, appearing to read 'Walter'.

A. Walter  
Tester in charge

A handwritten signature in blue ink, appearing to read 'Zachäus'.

Dipl.-Ing. T. Zachäus  
laboratory supervisor

The classification report are only allowed to be published or reproduced, not changed in form and tenor without permission of Exova Brandhaus

The abridged account of a classification report is only allowed with the agreement of Exova Brandhaus.

This classification report is a translation of the german version 2010-1168-1 (issued 01.03.2010). In case of doubt only the german version is valid. This test certificate contains 4 pages.