



Testing. Advising. Assuring.

# Classification report

## No. 2010-1992-K1-1

issued 12.10.2010

**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. u. 31.08.2010**

**Order:**

Testing to determination the burning behaviour according to DIN EN 13823 in the SBI test and according to DIN EN ISO 11925 – 2.

**Designation of the classified building product**

Cover coating designated as "serial - No. 4, 5, 6 and 7"

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 "4, 5, 6 and 7"

Construction: see annex 1

### 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

Before testing the specimen are clima stored according to DIN EN 13238.

## Test reports and test results

### 2.1 Test reports

Name of test laboratory	Customer	Report to form the basis	Test procedure
Exova Brandhaus	Sika Deutschland GmbH	2010-1992-1	DIN EN 13823 (SBI)  EN ISO 11925-2 (30s ignition time surface ignition)

### 2.2 Prüfergebnisse

Test procedure	Test limits	Number of tests	Test results	
			Average	
EN ISO 11925-2 (30s ignition time surface ignition)	Test parameter	24		yes
DIN EN 13823 (SBI)	FIGRA <sub>0,2MJ</sub> [W/S]	6	45,63	yes
	FIGRA <sub>0,4MJ</sub> [W/S]		21,17	
	THR <sub>600s</sub> [MJ]		1,68	yes
	SMOGRA-index [m <sup>2</sup> /s <sup>2</sup> ]		2,03	yes
	TSP <sub>600s</sub> [m <sup>2</sup> ]		39,18	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 coating system is classified in the class **B** regarding to its burning behaviour.

The tested coating system is classified in the class **s1** regarding to its smoke development.  
The tested coating system is classified in the class **d0** regarding to its dripping behaviour.

The classification of the tested coating system is therefore :

# B – s1, d0

#### 3.3 Area of application

The fire test result is only valid for the in chapter one described material as a coating system on substrate materials 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 2010-1992 from October 12<sup>h</sup> 2010 (date of signature) which is invalid from now on.

Frankfurt, 28<sup>th</sup> January 2011

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

P. Scheinkönig  
Tester in charge

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

Dipl.-Ing. H. Bräuer  
head of the test laboratory

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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 2010-1992-K1-1 (issued 12.10.2010). In case of doubt only the german version is valid. This test certificate contains 4 pages.

Annex 1 to the classification report No. 2010-1992-K1-1 issued 12.10.2010

Aufbau	Deckbeschichtung	Masse Platte	Gewicht Platte	Sikagard Bonding Primer		Sikagard 203		Reemat	Sikagard 206		Sikagard 206		Trockenauftrag Schicht 5
				Nassauftrag Schicht 1	Trockenauftrag Schicht 1	Nassauftrag Schicht 2	Trockenauftrag Schicht 2		Nassauftrag Schicht 3	Trockenauftrag Schicht 3	Nassauftrag Schicht 4	Trockenauftrag Schicht 4	
5	Sikagard 206	1500 x 495	7010	105	9	360	200	245	145	250	120	120	
5	Sikagard 206	1500 x 1000	14100	101	10	347	250	248	149	247	135	135	
5	Sikagard 206	50 x 50	21	100	13,4	355	240	250	120	250	160	160	

Aufbau	Deckbeschichtung	Masse Platte	Gewicht Platte	Sikagard Bonding Primer		Sikagard 203		Reemat	Sikagard 203		Sikagard 206		Trockenauftrag Schicht 5
				Nassauftrag Schicht 1	Trockenauftrag Schicht 1	Nassauftrag Schicht 2	Trockenauftrag Schicht 2		Nassauftrag Schicht 3	Trockenauftrag Schicht 3	Nassauftrag Schicht 4	Trockenauftrag Schicht 4	
7	Sikagard 206	1500 x 495	6870	106	13	360	331	357	226	256	120	120	153
7	Sikagard 206	1500 x 1000	13660	109	13,3	395	360	367	230	253	135	135	111
7	Sikagard 206	50 x 50	23	110	9	390	360	360	280	250	130	130	100

Aufbau	Deckbeschichtung	Masse Platte	Gewicht Platte	Sikagard Bonding Primer		Sikagard 203		Reemat	Sikagard 205		Sikagard 205		Trockenauftrag Schicht 5
				Nassauftrag Schicht 1	Trockenauftrag Schicht 1	Nassauftrag Schicht 2	Trockenauftrag Schicht 2		Nassauftrag Schicht 3	Trockenauftrag Schicht 3	Nassauftrag Schicht 4	Trockenauftrag Schicht 4	
4	Sikagard 205	1500 x 495	6880	102	10	360	200	256	141	250	135	135	
4	Sikagard 205	1500 x 1000	13700	101	10	356	266	249	146	251	147	147	
4	Sikagard 205	50 x 50	21	100	13,4	355	240	240	120	250	120	120	

Aufbau	Deckbeschichtung	Masse Platte	Gewicht Platte	Sikagard Bonding Primer		Sikagard 203		Reemat	Sikagard 203		Sikagard 205		Trockenauftrag Schicht 5
				Nassauftrag Schicht 1	Trockenauftrag Schicht 1	Nassauftrag Schicht 2	Trockenauftrag Schicht 2		Nassauftrag Schicht 3	Trockenauftrag Schicht 3	Nassauftrag Schicht 4	Trockenauftrag Schicht 4	
6	Sikagard 205	1500 x 495	7000	97	9	360	335	362	214	248	131	131	139
6	Sikagard 205	1500 x 1000	13710	99	9	360	334	357	200	260	135	135	134
6	Sikagard 205	50 x 50	21	100	10	390	340	360	240	250	120	120	120