

# Report of the classification of the reaction to fire behaviour

**No. 230009516-3**

**Issued 17 July 2014**

**English version**

## **Sponsor**

Kronospan Schweiz AG  
Willisauerstrasse 37

6122 Menzau  
SCHWEIZ

## **Order**

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

## **Date of order:**

27 May 2014

## **Name of the classified building product:**

„SWISSCDF DECOR“. High-compressed wood fibreboard with melamine coating on both sides

This report determines the classification of the above-mentioned building product in accordance with the procedure given in DIN EN 13501-1 „Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests; German version EN 13501-1:2007+A1:2009“, edition 2010.

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This classification report consists of 4 pages.

## 1. Description of the building product

Black coloured high-compressed wood fibreboard (> 1000 kg/m<sup>3</sup>), coated with a melamine coating in different colours on both sides.

The product is used for furniture production as well as wall coverings.

Range of thickness: 6 mm to 19 mm

Weight per unit area: at least approx. 6.8 kg/m<sup>2</sup> (at a thickness of approx. 6 mm) and max. approx. 20.6 kg/m<sup>2</sup> (at a thickness of approx. 19 mm)

Colour of the coating: any colour

## 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	Kronospan Schweiz AG Willisauerstrasse 37 6122 Menzau SCHWEIZ	230009516-1 of 17/07/2014	DIN EN 13823
MPA NRW	Kronospan Schweiz AG Willisauerstrasse 37 6122 Menzau SCHWEIZ	230009516-2 of 17/07/2014	DIN EN ISO 11925-2

### 2.2 Test results

See above-mentioned test reports for applied test procedure.

Test method	Number of tests	Parameter	Test results	
			Continuous parameter average values	Discrete parameter
DIN EN 13823	6	FIGRA <sub>0,2</sub> (W/s) FIGRA <sub>0,4</sub> (W/s) THR <sub>600s</sub> (MJ) LFS < outer edge SMOGR <sub>A</sub> (m <sup>2</sup> /s) TSP <sub>600s</sub> (m <sup>2</sup> ) Flaming droplets / particles (s)	162,7 130,0 7,4 -- 9,7 93 0	-- -- yes -- -- --

Test method	Number of tests	Parameter	Test results	
			Continuous parameter average values	Discrete parameter
DIN EN ISO 11925-2	18 x K und 16 x F	$F_s \leq 150$ mm Brennendes Abfallen	-- --	Ja Nein

Remark: K = tested with flames exposed to the edge, F = tested with flames exposed to the surface

### 3. Classification and direct field of application

#### 3.1 Reference

The classification was carried out in accordance with clause 11 and 14.1 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: **C**

The additional classification with regard to smoke production is: **s2**

The additional classification with regard to flaming droplets / particles is: **d0**

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

Reaction to fire	Smoke production	Flaming droplets / particles
<b>C</b>	<b>s2</b>	<b>d0</b>

i.e. **C – s2, d0**

### 3.3 Field of application of the product

The classification is solely valid for the product described in clause 1.

The classification is valid for the applications

- arranged at a distance of 80 mm to other extensive building products

or

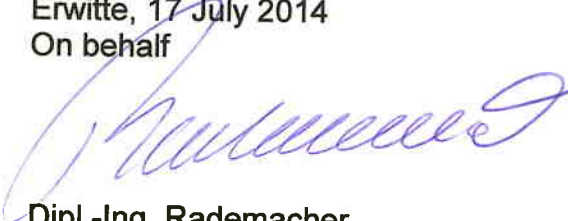
- directly laid and mechanically attached (also with butt joints) onto substrates made of gypsum plasterboards or substrates classified as A1 or A2-s1, d0 according to DIN EN 13501-1 with densities of at least 525 kg/m<sup>3</sup>.

### 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 July 2014  
On behalf

  
Dipl.-Ing. Rademacher  
Head of the testing body



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