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Institut für Baustoffe, Massivbau und Brandschutz
Materialprüfanstalt für das Bauwesen

Translation

Classification of reaction to fire in accordance with EN 13501-1

Classification report no.:	K-3431/663/14-MPA BS
Client:	Sauerländer Spanplatten GmbH & Co. KG Zur Schefferei 59821 Arnsberg, Germany
Product to be classified:	Solid and tubular chipboards Product name: "Sauerland Spanplatte"
Basis for classification:	DIN EN 13501-1:2010-01
Notified testing laboratory no.:	0761-CPD
Issue date:	11/06/2014
Please note:	This document does not serve as a type approval or certification of the construction product.

This classification report contains 8 pages.

Materialprüfanstalt f. d. Bauwesen MPA BS 3.1 Braunschweig

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1 General

This classification report describes the classification assigned to the construction product mentioned below in accordance with the procedures in DIN EN 13501-1:2010-01.

2 Specifications of the classified construction product

2.1 Type and field of application

Product name: "Sauerland Spanplatte"

The product is a solid or tubular chipboard of various thickness and density ranges.

2.2 Description of the construction product

The product is described in full in the test report listed in Section 2 that forms the basis of the classification.

3 Test reports and test results for the classification

3.1 Test reports

Name of testing laboratory	Client	Number of test report	Test procedures
MPA Braunschweig	Sauerländer Spanplatten GmbH & Co. KG	3431/663/14-Rhr dated 11/06/2014	DIN EN ISO 11925-2

3.2 Test results

3.2.1 Test results of the solid chipboard (nominal thickness: 10 mm, apparent density: 580 kg/m³)

Test procedure	Parameters	Number of tests	Test results	
			Continuous parameters (Mean value)	Discrete parameters
DIN EN ISO 11925-2				
Surface ignition				
30 s ignition	$F_S \leq 150$ mm	6	--	Yes
Burning droplets/falling particles	Ignition of filter paper	6	--	no
Edge ignition				
30 s ignition	$F_S \leq 150$ mm	6	--	Yes
Burning droplets/falling particles	Ignition of filter paper	6	--	No

3.2.2 Test results of the solid chipboard (nominal thickness: 10 mm, apparent density: 660 kg/m³)

Test procedure	Parameters	Number of tests	Test results	
			Continuous parameters (Mean value)	Discrete parameters
DIN EN ISO 11925-2				
Surface ignition				
30 s ignition	$F_S \leq 150$ mm	2	--	Yes
Burning droplets/falling particles	Ignition of filter paper	2	--	no
Edge ignition				
30 s ignition	$F_S \leq 150$ mm	2	--	Yes
Burning droplets/falling particles	Ignition of filter paper	2	--	No

3.2.3 Test results of the solid chipboard (nominal thickness: 16 mm, apparent density: 530 kg/m³)

Test procedure	Parameters	Number of tests	Test results	
			Continuous parameters (Mean value)	Discrete parameters
DIN EN ISO 11925-2				
Surface ignition				
30 s ignition	$F_S \leq 150$ mm	2	--	Yes
Burning droplets/falling particles	Ignition of filter paper	2	--	no
Edge ignition				
30 s ignition	$F_S \leq 150$ mm	2	--	Yes
Burning droplets/falling particles	Ignition of filter paper	2	--	No

3.2.4 Test results of the solid chipboard (nominal thickness: 19 mm, apparent density: 500 kg/m³)

Test procedure	Parameters	Number of tests	Test results	
			Continuous parameters (Mean value)	Discrete parameters
DIN EN ISO 11925-2				
Surface ignition				
30 s ignition	$F_S \leq 150$ mm	6	--	Yes
Burning droplets/falling particles	Ignition of filter paper	6	--	no
Edge ignition				
30 s ignition	$F_S \leq 150$ mm	6	--	Yes
Burning droplets/falling particles	Ignition of filter paper	6	--	No

3.2.5 Test results of the solid chipboard (nominal thickness: 38 mm, apparent density: 420 kg/m³)

Test procedure	Parameters	Number of tests	Test results	
			Continuous parameters (Mean value)	Discrete parameters
DIN EN ISO 11925-2				
Surface ignition				
30 s ignition	$F_S \leq 150$ mm	2	--	Yes
Burning droplets/falling particles	Ignition of filter paper	2	--	no
Edge ignition				
30 s ignition	$F_S \leq 150$ mm	2	--	Yes
Burning droplets/falling particles	Ignition of filter paper	2	--	No

3.2.6 Test results of the solid chipboard (nominal thickness: 42 mm, apparent density: 490 kg/m³)

Test procedure	Parameters	Number of tests	Test results	
			Continuous parameters (Mean value)	Discrete parameters
DIN EN ISO 11925-2				
Surface ignition				
30 s ignition	$F_S \leq 150$ mm	2	--	Yes
Burning droplets/falling particles	Ignition of filter paper	2	--	no
Edge ignition				
30 s ignition	$F_S \leq 150$ mm	2	--	Yes
Burning droplets/falling particles	Ignition of filter paper	2	--	No

3.2.7 Test results of the tubular chipboard (nominal thickness: 23 mm, apparent density: 430 kg/m³)

Test procedure	Parameters	Number of tests	Test results	
			Continuous parameters (Mean value)	Discrete parameters
DIN EN ISO 11925-2				
Surface ignition				
30 s ignition	$F_S \leq 150$ mm	6	--	Yes
Burning droplets/falling particles	Ignition of filter paper	6	--	no
Edge ignition				
30 s ignition	$F_S \leq 150$ mm	6	--	Yes
Burning droplets/falling particles	Ignition of filter paper	6	--	No

3.2.8 Test results of the tubular chipboard (nominal thickness: 33 mm, apparent density: 210 kg/m³)

Test procedure	Parameters	Number of tests	Test results	
			Continuous parameters (Mean value)	Discrete parameters
DIN EN ISO 11925-2				
Surface ignition				
30 s ignition	$F_S \leq 150$ mm	6	--	Yes
Burning droplets/falling particles	Ignition of filter paper	6	--	no
Edge ignition				
30 s ignition	$F_S \leq 150$ mm	6	--	Yes
Burning droplets/falling particles	Ignition of filter paper	6	--	No

3.2.9 Test results of the tubular chipboard (nominal thickness: 70 mm, apparent density: 340 kg/m³)

Test procedure	Parameters	Number of tests	Test results	
			Continuous parameters (Mean value)	Discrete parameters
DIN EN ISO 11925-2				
Surface ignition				
30 s ignition	$F_S \leq 150$ mm	6	--	Yes
Burning droplets/falling particles	Ignition of filter paper	6	--	no
Edge ignition				
30 s ignition	$F_S \leq 150$ mm	6	--	Yes
Burning droplets/falling particles	Ignition of filter paper	6	--	No

4 Classification and direct field of application

4.1 Basis for the classification

This classification was made in accordance with DIN EN 13501-1:2010-01, Section 11.3.

4.2 Classification

The following reaction to fire performance class is assigned to the product:

"Sauerland Spanplatte" (solid and tubular chipboard)	E

The additional classification relating to burning droplets/falling particles is:

"Sauerland Spanplatte" (solid and tubular chipboard)	N/A

The classification format for the reaction to fire is as follows:

Product	Fire behaviour	Falling burning particles
"Sauerland Spanplatte" (solid and tubular chipboard)	E	N/A

In accordance with Table 1 of DIN EN 13501-1:2010-01, the product "Sauerland Spanplatte" is classified as follows:

Reaction-to-fire classification:	**E**

4.3 Field of application and product parameters

The classification in Section 4.2 only applies to the product described in Section 2 and is applicable for the following fields of application and product parameters:

Area of use: The product is a solid or tubular chipboard of various thickness and density ranges and is mainly used in the production of interior doors. Another application is the use of the product in packaging materials.

Scopes of validity of the product parameters detailed below:

Type	Product parameters	Scope of validity of the classification
Solid chipboards	Thickness	≥ 10 mm
	Density	≥ 400 kg/m³
Tubular chipboards	Thickness	≥ 23 mm
	Density	≥ 200 kg/m³

5 Please note

5.1 This classification report is not a type approval or product certification and does not replace any technical certificates that may be necessary under German construction law (state building codes).

This document is the translated version of classification report no. K-3431/663/14-MPA BS – dated 11/06/2014. The legally binding text is the aforementioned German classification report.

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