

EN 13501-1
schwer entflammbar



ZERTIFIKAT BRANDSCHUTZ

Wabenkarton

Auf den nachfolgenden Seiten finden Sie das Zertifikat oder Prüfzeugnis zu oben benanntem Material. Entnehmen Sie dort die benötigten Angaben. Bei Fragen wenden Sie sich bitte an info@sprintout.de oder 030 2355380, wir beraten Sie gerne.

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Merkblatt

Brandschutz - Europäische Baustoffklassen

Bauaufsichtliche Benennung	DIN 4102	DIN EN 13501	kein Rauch	kein brennendes Abfallen/ Abtropfen
nicht brennbar	A1	A1	ja	ja
nicht brennbar	A2	A2 - s1, d0	ja	ja
schwer entflammbar	B1	B - s1, d0	ja	ja
schwer entflammbar	B1	C - s1, d0	ja	ja
schwer entflammbar	B1	A2 - s2, d0		ja
schwer entflammbar	B1	A2 - s3, d0		ja
schwer entflammbar	B1	B - s2, d0		ja
schwer entflammbar	B1	B - s3, d0		ja
schwer entflammbar	B1	C - s2, d0		ja
schwer entflammbar	B1	C - s3, d0		ja
schwer entflammbar	B1	A2 - s1, d1	ja	
schwer entflammbar	B1	A2 - s1, d2	ja	
schwer entflammbar	B1	B - s1, d1	ja	
schwer entflammbar	B1	B - s1, d2	ja	
schwer entflammbar	B1	C - s1, d1	ja	
schwer entflammbar	B1	C - s1, d2	ja	
schwer entflammbar	B1	A2 - s3, d2	ja	
schwer entflammbar	B1	B - s3, d2	ja	
schwer entflammbar	B1	C - s3, d2	ja	
normal entflammbar	B2	D - s1, d0		ja
normal entflammbar	B2	D - s2, d0		ja
normal entflammbar	B2	D - s3, d0		ja
normal entflammbar	B2	E		ja
normal entflammbar	B2	D - s1, d1		
normal entflammbar	B2	D - s2, d1		
normal entflammbar	B2	D - s3, d1		
normal entflammbar	B2	D - s1, d2		
normal entflammbar	B2	D - s2, d2		
normal entflammbar	B2	D - s3, d2		
normal entflammbar	B2	E - d2		
normal entflammbar	B2	F		

Legende Baustoffklassen

DIN 4102

A1	nicht brennbar
A2	nicht brennbar
B1	schwer entflammbar
B2	normal entflammbar
B3	leicht entflammbar

DIN EN 13501

A1	nicht brennbar
A2	nicht brennbar
B, C	schwer entflammbar
D, E	normal entflammbar
F	leicht entflammbar
s1	keine/ kaum Rauchentwicklung
s2	begrenzte Rauchentwicklung
s3	unbeschränkte Rauchentwicklung
d0	kein Abtropfen
d1	begrenztes Abtropfen
d2	starkes Abtropfen

“4.4.1.1 Standbau- und Dekorationsmaterialien Leichtentflammbare ... Dekorationsmaterialien müssen schwerentflammbar nach **DIN EN 13501-1** mindestens **Klasse C -s3, d0** bzw. **DIN 4102-1** mindestens **B1, nicht brennend abtropfend** sein.”

Auszug aus den Technischen Richtlinien
Messe Berlin - Stand April 2014

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http://www.messe-berlin.de/media/mb/mb_media/dlc/Technische_Richtlinien_Berlin_ExpoCenter_City.pdf

Alle Angaben sind ohne Gewähr auf Richtigkeit oder Vollständigkeit. Bitte informieren Sie sich im Vorfeld über die Brandschutzvorgaben des Veranstaltungsortes.

Reaction to fire classification report of “RE-Board”

1. Introduction

This classification report defines the classification assigned to the product called “RE-Board” in accordance with the procedure given in EN 13501-1:2007.

2. Details of classified product

2.1. General

The product is defined as fibre board with surface material of al-foil and thin decorative paper used as wall panel.

2.2. Product description

According to information provided by the client, the product has the following composition:

Wall panels called “RE-board”, consisting of the following:

- Core of 15 mm thick corrugated fibreboard.
- Surface material of 80 g paper plus 30 µm al-foil on both sides of core.

The total product has a nominal thickness of 16 mm. The product is produced by Re-board Technology AB in a plant in Norrköping, Sweden.

3. Test reports & test results in support of classification

3.1. Test reports

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Test method
RISE	RE-board Technology AB	P802415D	EN 13823 EN ISO 11925-2

RISE Research Institutes of Sweden AB

Postal address	Office location	Phone / Fax / E-mail
Box 857	Brinellgatan 4	+46 10 516 50 00
SE-501 15 BORÅS	SE-504 62 BORÅS	+46 33 13 55 02
Sweden		info@ri.se

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3.2. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2		6		
Edge flame attack				
30 s exposure	$F_s \leq 150$ mm		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
Surface flame attack		6		
30 s exposure	$F_s \leq 150$ mm		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		3		
	$FIGRA_{0,2MJ}$ (W/s)		198	-
	$LFS < \text{edge}$		(-)	Compliant
	THR_{600s} , (MJ)		11.6	-
	$SMOGRA$, (m^2/s^2)		4	-
	TSP_{600s} , (m^2)		28	-
	Flaming droplets/particles		(-)	No flaming droplets/particles

(-) : not applicable

4. Classification and field of application

4.1. Reference and direct field of application

This classification has been carried out in accordance with clause 11 and 15 of EN 13501-1:2007.

4.2. Classification

The product called “RE-board” in relation to its reaction to fire behaviour is classified:

C

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming particles/droplets is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation product is:

Fire Behaviour		Smoke Production			Flaming Droplets	
C	-	s	1	,	d	0

Reaction to fire classification: *C-s1,d0*

4.3. Field of application

This classification is valid for the following end use conditions:

Mounting

- Freestanding.

This classification is also valid for the following product parameters:

Thickness:

- Nominal total product thickness, 16 mm.
- Nominal al-foil thickness, 30 µm.

Area weight:

- Nominal area weight of decorative paper (surface material) 80 g/m².

The sample was delivered by the client. RISE Fire Research was not involved in the sampling procedure.

5. Limitations

This classification document does not represent type approval or certification of the product.

RISE Research Institutes of Sweden AB
Safety - Fire Research, Fire Dynamics

Performed by

Examined by

Richard Johansson

Per Thureson