

## CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1:2018

**Sponsor:** Waltopia AD, Letnitsa, 18 Bulgaria Blvd.

**Prepared by:** „Center for Testing and European Certification” LTD  
2 Industrialna Street, Stara Zagora Bulgaria

**Product name:** Fireproof plywood with aluminum oxide coating and polyurethane paint

**Classification report №:** 1871-CPR-RtF-424

**Issue number:** 1

**Date of issue:** 29.12.2020

This classification report consists of 5 pages and may only be used or reproduced in its entirety.



## 1 Introduction

This classification report defines the classification assigned to the product Fireproof plywood with aluminum oxide coating and polyurethane paint, in accordance with the procedure given in EN 13501-1:2018

## 2 Details of classified product

### 2.1 General

The product, Fireproof plywood with aluminum oxide coating and polyurethane paint is defined as prefabricated plywood products for indoor use in a dry environment. The product is manufactured by Waltopia AD, Letnitsa.

### 2.2 Product description

The product, Fireproof plywood with aluminum oxide coating and polyurethane paint, is described below or described in the report provided in support of classification listed in clause 3.1.

Product description:

The product Fireproof plywood with aluminum oxide coating and polyurethane paint is made on the basis of birch plywood with a density of 450 kg / m<sup>3</sup> and a thickness of 21 mm.

## 3 Reports and results in support of this classification.

### 3.1 Reports

Name of Laboratory	Name of sponsor	Report ref.no.	Test method and date Field of application rules and date
CONSTRUCTION PRODUCTS TESTING LABORATORY CTEC LTD Stara Zagora, Bulgaria	WALLTOPIA AD Bulgaria	1421413/05.08.2020	BDS EN 13823:2011+A1:2015
CONSTRUCTION PRODUCTS TESTING LABORATORY CTEC LTD Stara Zagora, Bulgaria	WALLTOPIA AD Bulgaria	1421414/05.08.2020	BDS EN ISO 11925-2:2011
CONSTRUCTION PRODUCTS TESTING LABORATORY CTEC LTD Stara Zagora, Bulgaria	WALLTOPIA AD Bulgaria	1422573/21.12.2020	BDS EN 13823:2020





**3.2 Results**

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
BDS EN 13823:2011+A1:2015	FIGRA <sub>0.2MJ</sub> LFS THR <sub>600s</sub>	1	123.9 (-) 1.7	Compliant
	SMOGRA TSP <sub>600s</sub>		11.4 63.6	Compliant
	flaming droplets/particles		None	Compliant
BDS EN 13823:2011+A1:2015	FIGRA <sub>0.2MJ</sub> LFS THR <sub>600s</sub>	1	137.7 (-) 1.9	Compliant
	SMOGRA TSP <sub>600s</sub>		9.3 46.2	Compliant
	flaming droplets/particles		None	Compliant
BDS EN 13823:2011+A1:2015	FIGRA <sub>0.2MJ</sub> LFS THR <sub>600s</sub>	1	137.4 (-) 1.7	Compliant
	SMOGRA TSP <sub>600s</sub>		10.5 48.3	Compliant
	flaming droplets/particles		None	Compliant
BDS EN 13823:2020	FIGRA <sub>0.2MJ</sub> LFS THR <sub>600s</sub>	1	95.5 (-) 1.2	Compliant
	SMOGRA TSP <sub>600s</sub>		11.1 62.8	Compliant
	flaming droplets/particles		None	Compliant
BDS EN 13823:2020	FIGRA <sub>0.2MJ</sub> LFS THR <sub>600s</sub>	1	98.1 (-) 1.3	Compliant
	SMOGRA TSP <sub>600s</sub>		12.3 60.4	Compliant
	flaming droplets/particles		None	Compliant
BDS EN ISO 11925-2:2011 (30 s exposure – on the surface)	F <sub>s</sub>	6	Nil	Compliant
	flaming droplets/particles		None	Compliant



#### 4 Classification and field of application

##### 4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

##### 4.2 Classification

The product, Fireproof plywood with aluminum oxide coating and polyurethane paint, in relation to its reaction to fire behavior is classified:

**B**

The additional classification in relation to smoke production is:

**s2**

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

**d0**

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

Fire Behaviour		Smoke Production			Flaming Droplets	
<b>B</b>	-	<b>s</b>	<b>2</b>	,	<b>d</b>	<b>0</b>

**Reaction to fire classification: B– s2, d0**

##### 4.3 Field of application

This classification is valid for the following end-use applications:

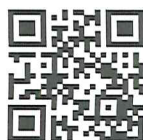
The product Fireproof plywood with aluminum oxide coating and polyurethane paint can be used internally in a dry environment in buildings.

This classification is valid for the following product parameters:

Composition: according to the description in item 2.2

Density: 450 kg / m<sup>3</sup>

Thickness: 21 mm



### 5 Limitations

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

**SIGNED:**

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**Katya Boycheva**  
Specialist testing and quality

**APPROVED:**

**Hristina Angelova**  
Head of laboratory  
on behalf of: **CTEC LTD**

