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

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### 1. Introduction

This classification report defines the classification assigned to Flame-retardant brich plywood, min. thickness 12 mm, density 650-750 kg/m<sup>3</sup> in accordance with the procedures in EN 13501-1:2018.

**Sponsor:** Bydgoskie Zakłady Sklejek "Sklejka Multi" Spółka Akcyjna  
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**Notified Body No:** -

**Product name:** Flame-retardant brich plywood, min. thickness 12 mm,  
density 650-750 kg/m<sup>3</sup>

**Classification report No:** SL/Z-282/EN13501/304a/2021-draft

**Date of issue:** 06.05.2021

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### 2. Details of classified product

#### 2.1. General

The product, Flame-retardant brich plywood, min. thickness 12 mm, density 650-750 kg/m<sup>3</sup>

## 2.2. Product description

The product, Flame-retardant brich plywood, min. thickness 12 mm, density 650-750 kg/m<sup>3</sup>, is described below or is described in the reports provided in support of classification listed in 3.1

Plywood made on the basis of melamine-urea-formaldehyde resin. Outer and inner layers - brich wood. Inner layers are impregnated by soaking an a 15% flame retardant solution. The dry matter content of the flame retardant in 1 m<sup>3</sup> of plywood - min. 40 kg. The plywood surface is protected with a flame retardant applied by spraying in the amount of min. 100 g/m<sup>2</sup>.

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

### 3.1. Specific conditions

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### 3.2. Reports

Name of Laboratory	Name of sponsor	Report ref. No.	Test method and date Field of application rules and date
Sychta Laboratorium	Bydgoskie Zakłady Sklejek "Sklejka Multi" Spółka Akcyjna	SL/Z-282/EN13823/303/2021	PN-EN ISO 13823 PN-EN ISO 11925-2 05.05.2021

### 3.3. Results

Test method and test number	Parameter	No. Tests <sup>a</sup>	Results	
			Continuous parameter - mean (m)	Compliance with parameters
PN-EN 13823	FIGRA, W·s <sup>-1</sup>	3	47	(-)
	THR <sub>600s</sub> , MJ		3,5	(-)
	LFS < edge		(-)	Compliant
	SMOGRA, m <sup>2</sup> ·s <sup>-2</sup>		7	(-)
	TSP600s, m <sup>2</sup>		41	(-)
	Flaming particles or droplets, time s		(-)	Compliant
PN-EN ISO 11925-2 Exposure time 30 s	Flame spread > 150 mm in 60 s, mm	3	(-)	Compliant
	Ignition of paper		(-)	Compliant

<sup>a</sup> Not for extended application, (-): not applicable

#### 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, Flame-retardant brich plywood, min. thickness 12 mm, density 650-750 kg/m<sup>3</sup> in relations to its reaction to fire behaviour is classified:

**B**

The additional classification in relations to smoke production is:

**s1**

The additional classification in relations 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>1</b>	,	<b>d</b>	<b>0</b>	

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

#### 4.3. Field of application

This classification is valid for the following product parameters:

- brich plywood with min. thickness of 12 mm,
- density 650-750 kg/m<sup>3</sup>.

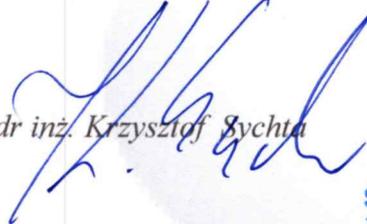
The classification is valid for the following end use applications:

Material mechanically fastened to wooden slats, with vertical and/or horizontal joints and ventilated or unventilated air gap.

#### 5. Limitations

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

**Signature of person  
undertaking classification:**



dr inż. Krzysztof Sychta

**Signature of person  
authorising report:**



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