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AUTHORIZED BODY 216  
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ACCREDITED CERTIFICATION BODY FOR  
PRODUCTS CERTIFICATION N° 3041

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# REACTION TO FIRE CLASSIFICATION REPORT

**Object of classification:** *Floorings in accordance with  
EN 13501-1:2018, cl. 12*

**Classification report No:**

**PK1-02-20-002-E-0**

**Type and product name:** *Cement-bonded particle boards BZSPlus+*

**Sponsor:**

**Technický a zkušební ústav stavební Praha, s.p.**  
**Pobočka Ostrava**  
U Studia 14  
700 30 Ostrava - Zábřeh  
Česká republika

**For company**

**"CSP BZS" Joint Limited Liability Company**  
137, Komsomolskaya Str., Kirchev  
Mogilev Province  
213500 Republic of Belarus

**Issuing organization:**

PAVUS, a.s.  
Authorized Body 216  
Notified Body 1391  
Accredited certification body for products No 3041  
- Accreditation issued by Czech Accreditation Institute, Public  
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## 1. INTRODUCTION

- 1.1. This classification report defines the classification assigned to *Cement-bonded particle boards BZSPlus+* in accordance with the procedures given in EN 13501-1:2018.
- 1.2. This classification report consists of 3 pages and may only be used or reproduced in its entirety.

## 2. DETAILS OF CLASSIFIED PRODUCT

### 2.1. General

The product *Cement-bonded particle boards BZSPlus+* is manufactured "CSP BZS" Joint Limited Liability Company, 137, Komsomolskaya Str., Kirchev, Mogilev Province, 213500 Republic of Belarus. The product is used in the flooring constructions.

### 2.2. Product description

Thickness: 16 and 24 mm  
 Density of mass: 1,350÷1,430 kg/m<sup>3</sup>  
 Composition: 20 % wood, 70 % cement, 2 % chemical additives, 8 % water

## 3. REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

### 3.1. Reports

Name of Laboratory Address Accreditation No.	Name of sponsor	Report ref. no. Date of issue	Test method and date Field of application rules and date
PAVUS, a. s. Veselí nad Lužnicí ATL No. 1026	Technický a zkušební ústav stavební Praha, s.p. Pobočka Ostrava U Studia 14 700 30 Ostrava - Zábřeh Česká republika	Pr-20-1.047 2020-03-05	EN ISO 1716:2018
		Pr-20-1.048 2020-03-05	EN ISO 9239-1:2010 EN ISO 13238: 2010

### 3.2. Results

Test method	Parameter	No. Tests	Results	
			Continuous parameter - mean	Compliance with parameters
EN ISO 9239-1 Thickness of 16 mm	Critical flux CF (kW/m <sup>2</sup> ) Smoke (% × min)	3	≥ 11 1.8	≥ 8.0 (A2 <sub>f</sub> ) ≤ 750 (s1)
EN ISO 9239-1 Thickness of 24 mm	Critical flux CF (kW/m <sup>2</sup> ) Smoke (% × min)	3	≥ 11 2.3	≥ 8.0 (A2 <sub>f</sub> ) ≤ 750 (s1)
EN ISO 1716	PCS	3	2.93 MJ/kg	≤ 3.0 MJ/kg (A2 <sub>f</sub> )

## 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 *Cement-bonded particle boards BZSPlus+* in relation to its reaction to fire behaviour is classified:

**Reaction to fire classification: A2<sub>fl</sub> – s1**

### 4.3. Field of application

This classification is valid for the following product parameters:

Thickness:	16÷24 mm
Density:	1,350÷1,430 kg/m <sup>3</sup>
Composition:	cannot be changed

The classification is valid for the following end use applications:

The product is used in the flooring constructions.

Substrate:	substrates of reaction to fire classes A1 and A2-s1,d0 and substrates of wood of density at least 510 kg/m <sup>3</sup>
Joints:	yes

## 5. LIMITATIONS

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

This classification is valid, unless the conditions, under which it was issued, have been changed. The sponsor may request the issuing authority to review the influence of changes to the classification validity.


Elaborated by:



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