



Instytut Techniki Budowlanej

Badania naukowe | Prace rozwojowe | Akredytowany Zespół Laboratoriów |
Jednostka notyfikowana nr 1488 | Członek EOTA | Certyfikowane systemy zarządzania ISO 9001, ISO 27001

REACTION TO FIRE CLASSIFICATION REPORT IN ACCORDANCE WITH PN-EN 13501-1+A1:2010

Contract no. 02764/18/Z00NZP

Sponsor:	"MW TECHNIC" Sp. z o.o. Reguły, ul. Bodycha 73A 05-816 Michałowice
Prepared by:	Building Research Institute; 1, Filtrowa str. 00-611 Warszawa, Poland
Product name:	Cement-fibre board with brand name BZSPlus⁺
Classification report №:	02764/18/Z00NZP-E (English version of 01467/18/Z00NZP)
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This classification report consists of 4 pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to the cement-fibre board with brand name BZSPlus in accordance with the procedures given in PN-EN 13501-1+A1:2010.

2. Details of classified product

2.1 General

Boards are produced by pressing technologically - ready mixtures of pine shavings, Portland cement, mineral matter and water.

2.2 Product description

The product, is described below.

Cement-fibre board with brand name BZSPlus⁺:
 Density of boards: by 1350 kg/m³ up to 1430 kg/m³.
 Thickness of the boards: by 8 mm up to 24 mm.
 Boards produced by Joint Limited Liability Company "CSP BZS"
 137 Komsomolska St., off. 106, Kryczew, Mohylev District, 213500 Republic of Belarus.

3. Test reports & test results in support of classification

3.1 Test reports

Name of laboratory	Name of sponsor	Test report no.	Test method
Fire Research Department Laboratory Building Research Institute	„MW Technic”.	LZP01- 02764/18/Z00NZZP	PN-EN ISO 1716: 2010
		LZP02- 02764/18/Z00NZZP	PN-EN 13823+A1: 2014
		LZP03- 02764/18/Z00NZZP	PN-EN 13823+A1: 2014

3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
PN-EN 13823: 2014 (Cement –fibre board thickness 8 mm)	FIGRA 0,2MJ	3	5,9	(-)
	FIGRA 0,4MJ		5,9	(-)
	LFS < edge		(-)	Y
	THR600s [MJ]		0,7	(-)
	SMOGRA [m ² /s ²]		0,0	(-)
	TSP600s [m ²]		19,1	(-)
	Flaming Droplets/particles		(-)	N
PN-EN 13823: 2014 (Cement –fibre board thickness 24 mm)	FIGRA 0,2MJ	3	0,0	(-)
	FIGRA 0,4MJ		0,0	(-)
	LFS < edge		(-)	Y
	THR600s [MJ]		0,4	(-)
	SMOGRA [m ² /s ²]		0,0	(-)
	TSP600s [m ²]		22,9	(-)
	Flaming Droplets/particles		(-)	N
PN-EN ISO 1716:2010 (fibre-cement board)	PCS (MJ/kg)	3	2,38	(-)
(-): not applicable Y: Yes N: No				

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with PN - EN 13501-1+A1:2010.

4.2 Classification

The product, cement-fibre board with brand name BZSPlus⁺, in relation to its reaction to fire behaviour is classified:

A2

The additional classification in relation to smoke production is:

s1

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:

The format of the reaction to fire classification is:

Fire behaviour		Smoke production			Flaming droplets	
A2	-	s	1	,	d	0

i.e.: **A2-s1, d0**

Reaction to fire classification: A2-s1, d0

4.3 Field of application

This classification is valid for the following parameters:

- cement-fibre boards with brand name BZSPlus⁺ described in clause 2.2 of this classification report,
- cement-fibre boards with brand name BZSPlus⁺ fixed directly or with an air gap between the substrates with a reaction to fire class at least A2-s1,d0 or plaster-carton surfaces,

5 Limitations

This classification given remains valid as long as:

- Test method remains unchanged.
- Product standard or technical approval remains unchanged.
- Constructional or material modifications do not exceed limits of the field of application defined in 4.3.

This classification report has been issued in three copies (2 for Sponsor, 1 for archive of Fire Research Department of Building Research Institute). Additional signed copies can be issued by Fire Research Department of ITB on the request of the report's owner only.

In case of doubt the polish language version (01467/18/Z00NZZP) is the only basis for interpretation.

6 Warning

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

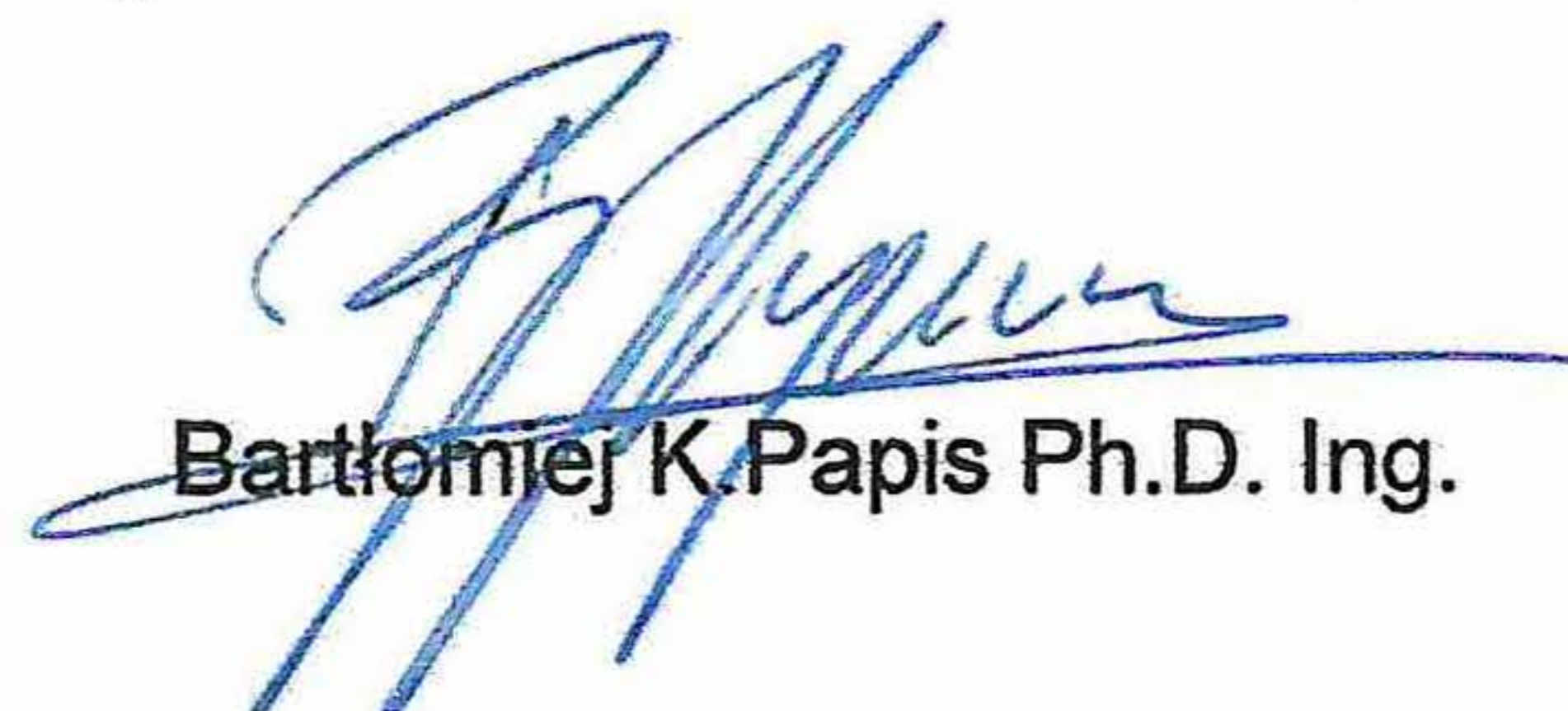
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