CLASSIFICATION REPORT
REACTION TO FIRE
according to PN-EN 13501-1:2019

Contract №: 01532/26/Z00NZP

Customer:	**Orbond Gypsum & Gypsum products industries ltd Alon Tavor Industrial Zone St. Oren 8, P.O.BOX 2328 Afula 1812202 Israel**
Prepared by:	**Fire Research Department Building Research Institute 1 Filtrowa Str. 00-611 Warszawa**
Product name:	**Fire resistant plasterboards**
Classification report №:	**01532.3/26/Z00NZP**
Issue nr:	**1**
Date of issue:	**30.06.2026**

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

1. Introduction

This classification report defines the classification assigned to Fire resistant plasterboards in accordance with procedures given in PN-EN 13501-1:2019.

2. Details of the classified product

2.1. General

Fire resistant plasterboards are used as internal partition walls.

2.1 Product description

The product is described below.

Fire resistant plasterboards consist of gypsum core wrapped in paper.

- Thickness: 12.5 mm and 15.9 mm
- Core density: 760 kg/m^3
- Paper weight on the front side: 190 g/m^2
- Paper weight on the back side: 150 g/m^2
- Colour of the paper on the face side: pink
- Colour of the paper on the back side: grey

3. Test reports and test results as a basis for the classification

3.1. Test reports

Laboratory	Customer	Test report nr	Test method
Fire Testing Laboratory Building Research Institute	Orbond Gypsum & Gypsum products industries ltd	LZP09-02719/25/Z00NZP-ENG	PN-EN ISO 1716:2010
		LZP10-02719/25/Z00NZP-ENG	
		LZP13-02719/25/Z00NZP-ENG	
		LZP03-02719/25/Z00NZP-ENG/Z	PN-EN 13823+A1:2022-12

3.2. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with the parameter
PN-EN ISO 1716:2010 Gypsum core	PCS (MJ/kg)	3	0*	(–)
PN-EN ISO 1716:2010 Front paper	PCS (MJ/m^2)	3	3.0	(–)
PN-EN ISO 1716:2010 Back paper	PCS (MJ/m^2)	3	2.3	(–)
PN-EN ISO 1716:2010 Regular plasterboard	PCS (MJ/kg)	–	0.5	(–)
PN-EN 13823+A1:2022-12	FIGRA $_{0,2MJ}$ [W/s]	3	0.0	(–)
	FIGRA $_{0,4MJ}$ [W/s]		0.0	(–)
	LFS < edge		(–)	T
	THR$_{600s}$ [MJ]		0.6	(–)
	SMOGRA [m^2/s^2]		0.4	(–)
	TSP$_{600s}$ [m^2]		25.3	(–)
	Flaming droplets/particles		(–)	N

(–): not applicable, Y: Yes, N: No
* Negative values in the test report are treated as 0 in the classification report

4. Classification and the field of application

4.1. Reference of the classification

The classification has been carried out in accordance with PN-EN 13501-1:2019 and the guidelines given in PN-EN 520+A1:2012.

4.2. Classification

The product, Fire resistant plasterboards, in relation to their reaction to fire behaviour are 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:

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 product parameters described in section 2.
This classification is valid for all end use applications.

5. Limitations

This classification will be valid until:

- The test method remains unchanged,
- Product standard or technical assessment remains unchanged,
- Constructional or material modifications do not exceed the limits of the field of application defined in 4.3.

This classification report has been issued in electronic form, with qualified electronic signatures of responsible persons. A document with a qualified electronic signature whose certificate has already expired is still valid (the certificate was valid on the day the document was signed). Certified copies may be issued by the ITB Fire Research Department only at the request of the Report Owner. The printout of this report is not an original document.
This classification document does not represent a technical assessment or certification of the product.

Classifiction	Name	Date	Signature
Prepared by	Katarzyna Kaczorek-Chrobak, PhD. Eng.	30.06.2026	e-signature
Verified by:	Bartłomiej K. Papis, PhD. Eng.	30.06.2026	e-signature

Head of Fire Research Department

Bartłomiej K. Papis, PhD. Eng.

e-signature