

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
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Product name:	Diamond plasterboard
Classification report №:	01532.4/26/Z00NZP
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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 Diamond plasterboard in accordance with procedures given in PN-EN 13501-1:2019.

2. Details of the classified product

2.1. General

Diamond plasterboard is used as internal partition walls.

2.1 Product description

The product is described below.

Diamond plasterboard consists of gypsum core wrapped in paper.

- Thickness: 18 mm
- Weight: 15,5 kg/m²
- Paper weight on the front side: 220 g/m²
- Paper weight on the back side: 210 g/m²
- Colour of the paper on the face side: blue
- Colour of the paper on the back side: blue

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	LZP03-01532/26/Z00NZP-ENG	PN-EN ISO 1716:2010
		LZP04-01532/26/Z00NZP-ENG	
		LZP05-01532/26/Z00NZP-ENG	
		LZP02-01532/26/Z00NZP-ENG	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	3.4	(–)
PN-EN ISO 1716:2010 Back paper	PCS (MJ/m ²)	3	3.3	(–)
PN-EN ISO 1716:2010 Regular plasterboard	PCS (MJ/kg)	–	0.4	(–)
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]		0.8	(–)
	SMOGR _A [m ² /s ²]		4.3	(–)
	TSP _{600s} [m ²]		54.5	(–)
	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, Diamond plasterboard, in relation to its reaction to fire behaviour is classified:

A2

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	
A2	-	s	2	,	d	0

i.e.: A2-s2,d0

Reaction to fire classification: A2-s2,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.

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This classification document does not represent a technical assessment or certification of the product.

Classification	Name	Date	Signature
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