

**CLASSIFICATION REACTION TO FIRE
according to EN 13501-1:2019-02**

Contract number: 01760/24/Z00NZP

Principal:	FOVERE Sp. z o.o. Aleja Prymasa Tysiąclecia 83A/620 01-242 Warsaw
Developed by:	Fire Research Department of Building Research Institute 1 Filtrowa Street 00-611 Warsaw
Product name:	Rigid rPET acoustic panel
Classification report no:	01760/24/Z00NZP
Issue no:	1
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1. Introduction

This classification report specifies the classification given to rPET rigid acoustic panel in accordance with the procedures given in EN 13501-1:2019-02.

2. Details of the classified product**2.1 General provisions**

Decorative soundproofing.

2.2 Product description

The product is described below.

Product description:

Rigid rPET acoustic panel. Composition:

60 % PET.

Weight: 2400 g/m².

Thickness: 12 mm.

3. Test reports and test results underlying the classification**3.1 Research reports**

Name of laboratory	Principal's name	Survey report no.	Test method
ITB Fire Research Laboratory	Fovere Sp. z o.o.	LZP02-01759/23/Z00NZP	PN-EN ISO 11925-2:2020-09
		LZP01-01759/23/Z00NZP	PN-EN 13823+A1:2014

3.2 Findings

Test method	Parameter	Numb er of tests	Results	
			Continuous parameter - average value (m)	Compliance with the parameter
PN-EN ISO 11925-2:2020-09 Surface and edge flame interaction Exposure 30 s	Flame spread F_s mm	6	(-)	T
	Burning drops/particles		(-)	N
PN-EN 13823+A1:2014	FIGRA $_{0.2MJ}$ [W/s].	1	59,3	(-)
	FIGRA $_{0.4MJ}$ [W/s].		59,2	(-)
	LFS< edge		(-)	N
	THR600s [MJ].		3,4	(-)
	SMOGR [m ² /s ²]		26,6	(-)
	TSP600s [m ²].		128,9	(-)
	Burning drops/particles		(-)	N
(-): not applicable Y: YES N: NO				

4 Classification and its scope

4.1 Appointment of classifications

Classification has been determined in accordance with EN 13501-1:2019-02.

4.2 Classification

The rPET rigid acoustic panel has achieved a classification in terms of its reaction to fire:

B

Due to the emission of smoke, the product has been given an additional classification:

s2

Due to the presence of flaming droplets/particles, the product has been given an additional classification:

d0

The format of the classification in terms of reaction to fire for construction products, with the exception of flooring and linear products for thermal insulation of ducts, is as follows:

Fire properties		Release of smoke			Burning drops	
B	-	S	2	,	d	0

i.e: **B-s2,d0**

Classification for reaction to fire: B-s2,d0

This classification is valid for end-use applications in accordance with the technical conditions to be met by buildings and their location and as for the product "non-flammable, non-drip and non-spreading under the influence of fire" and as for the product "not spreading fire" inside buildings according to the Regulation of the Minister of Infrastructure of 12 April 2002 (Journal of Laws No. 75 of 15 June 2002, item 690 as amended).

At the same time, the product is assessed as not falling off when exposed to fire.

4.3 Scope of application

This classification applies:

- for the product as described in point 2.2,
- The rigid acoustic panel can be used on all subfloors with reaction to fire classes A1 and A2 and on plasterboard,
- mechanical fastening with screws.

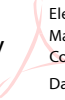
5 Restrictions

The assigned classification remains valid as long as:

- the test method will not be changed,
- the standard or technical approval is not changed,
- structural and material changes do not exceed the limits of the area of application specified in the p. 4.3.

This report has been issued in electronic form, with qualified electronic signatures of the responsible persons. The printout of this report is not an original document.

This classification document does not constitute an approval or certification of the product.

Signed		Accepted	
Elaborated:	Mariusz Zolnik; Institute Technology Construction	 Electronically signed by Mariusz Zolnik; Institute of Technology Construction Date: 2024.06.26 13:31:30 +02'00'	 Bartłomiej Papis; ITB 2024.06.26 15:23:46+02'00'
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