



CLASSIFICATION REPORT

REPORT NR:	256179	PROJECT Nr:	PY22-0343	Ref Nr:	MV75420
DATE OF ISSUE:	03/07/2023				
ACCREDITED BODY	Test laboratory accredited by ENAC with accreditation No. 288 LE / 634				
TEST SPECIMEN ¹	Type:	Recycled acoustic panel 12 mm			
	Reference:	Acoustic pet walls and ceiling			
STANDARD	UNE-EN 13501-1:2019. Fire classification of construction product and buildings elements. Part 1: Classification using data from reaction to fire test.				
APPLICANT	ECHOSHAPE 8th Kachol st. Misgav Industrial Park				
DATE/S OF TEST	Start:	07/09/2022			
	End:	20/02/2023			
CLASSIFICATION	B-s1, d0				

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Decision rule: To give classification, a binary decision rule (pass-fail) will be used with simple acceptance criteria with a specific risk lower than 50% False Probability (PFA)

The information provided by the client is marked in the report. ENSATEC, S.L.U. declines all responsibility for this information.

(1) Information provided by the client.



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1 SAMPLE CHARACTERISTICS

1.1 Tested sample description

A description of the sample is presented in the following tables, the information provided by the client is shown as marked.

TEST SAMPLE ¹

Type: Recycled acoustic panel 12 mm
Reference: Acoustic pet walls and ceiling

Exposed face (exposed to fire) ¹	
Composition:	PET
Thickness (mm):	12
Mass per square metre (kg/m ²):	0.2
Colour and appearance:	white, smooth

(1) Information provided by the client.



-Sample detail -



-Sample detail -

Characteristics of the support and fixation of the sample	
Nature of the support:	gypsum plasterboard EN 520.
Thickness:	12 mm
Density:	700 ± 100 Kg/m ³
Sample fixing system:	mechanically fixed to the substrate.
Assembly to EN 13823 (SBI):	0
Joints:	Without joints
Adhesive used:	Without adhesive



1.2 Pre-conditioning

The sample is conditioned in a chamber at $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ y $50\% \pm 5\%\text{HR}$, for a period of 3 days, from 17/02/2023 to 20/02/2023, until constant mass is obtained.

2 TEST REPORTS TO SUPPORT OF THIS CLASSIFICATION

Laboratory	Applicant	Test Report No.	Test Method
ENSATEC	ECOSHAPE	256178	EN 13823:2020+A1:2022
ENSATEC	ECOSHAPE	256178	EN ISO 11925-2:2020

3 TEST RESULT TO SUPPORT THE CLASSIFICATION

Test Method	No. of Test	Classification criteria	Average value	Complies
UNE-EN ISO 11925-2 (Surface application)	6	$F_s \leq 150\text{mm}$ in 20s	Si	
		Ignition of filter paper	No	
UNE-EN 13823 (SBI)	3	FIGRA _{0.2MJ} (W/s)	50,27	
		FIGRA _{0.4MJ} (W/s)	41,05	
		THR _{600s} (MJ)	2,56	
		SMOGR _A (m^2/s^2)	10,73	
		TSP _{600s} (m^2)	93,03	
		LFS (S/N)	NO	
		Droplets/particles in flame (Y/N)	NO	

(1) **s1** = $\text{SMOGR}_A \leq 30 \text{ m}^2/\text{s}^2$ and $\text{TSP}_{600s} \leq 50 \text{ m}^2$; **s2** = $\text{SMOGR}_A \leq 180 \text{ m}^2/\text{s}^2$ y $\text{TSP}_{600s} \leq 200 \text{ m}^2$; **s3** = neither s1 nor s2

(2) **d0** = No droplet falls and flaming particles in EN 13823:2021 (SBI) in 600 s; **d1** = No droplet falls and flaming particles for more than 10s in UNE-EN 13823:2021 (SBI) in 600s; **d2** = neither d0 nor d1



4 CLASSIFICATION AND DIRECT FIELD OF APPLICATION

4.1 Classification

Therefore, in accordance with the UNE-EN 13501-1:2019 standard and in view of the test results and the classification criteria, the sample, described in this report, corresponding to a **Recycled acoustic panel 12 mm**, obtains the following classification:

Behaviour to fire		Smoke production		Drops in flame
B	-	s1	,	d0

4.2 Direct application field

This classification is valid for the application of end use as wall or ceiling cladding, with the assembly conditions defined in the reports listed in section 2 of this report and for geometry and thickness defined therein.

The sample does not present directionality so this concept is considered when performing the test.

5 LIMITATIONS

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

The duration of the validity of this classification report is subject to the legislation in force at the time of its issuance.