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Fire Laboratory and Fire Engineering

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Member of egolf - European Group of Organisations for Fire Testing, Inspection and Certifications

CLASSIFICATION REPORT
753/24–530–3–EN

Classification of reaction to fire in accordance with Commission delegated Regulation (EU) 2016/364 and with SIST EN 13501-1:2019 for a product

PU acoustic foam ITS2540,

produced by PLAMA-PUR

Orderer:	**PLAMA-PUR d.o.o** **Hrušica 104, SI-6244 Podgrad, Slovenia**
Order/contract:	**2401505 dated 2. 8. 2024**
Responsible investigator:	**dr. Nataša Knez, univ. dipl. inž. el.**
Head of laboratory:	**dr. Urška Blumauer, mag. inž. grad.**
Director:	**doc. dr. Aleš Žnidarič, univ. dipl. inž. grad.**

Digitalno podpisano:
ALJOŠA ŠAJNA, ZAG

(po pooblastilu direktorja)

Date:

15. 7. 2025

The report was internally reviewed and approved by all listed persons, which is confirmed by the electronic signature.
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1. Introduction

This classification report defines the classification assigned to **PU acoustic foam ITS2540** made in PLAMA-PUR in accordance with the procedures given in Commission delegated Regulation (EU) 2016/364 and in SIST EN 13501-1:2019 (identical to EN 13501-1:2018).

2. Details of classified product

2.1 General

Specimen is made in form of boards made of polyurethane foam IPREN for technical applications with flame retardants. On one side the specimen was cut in egg shape and on the other side it was cut flat.

The product is used as an acoustic absorber.

Data on tested specimens (information given by sponsor*):

Full name: PU acoustic foam ITS2540 *

Nominal thickness of the product: 35 mm *

Nominal density: 25 kg/m^3 *

Colour: anthracite *

Measured characteristics:

Thickness: 15 mm – 34 mm

Area density: 625,6 g/m^2

Colour: dark shade of grey

3. Test reports and test results in support of classification

3.1 Test reports

Laboratory	Name of sponsor	Report No.	Test method
ZAG Ljubljana	PLAMA_PUR d.o.o.	753/24-530-1-EN	SIST EN ISO 11925-2:2020

3.2 Test results

3.2.1 Test results for reaction to fire classification for construction products, excluding floorings

Test method flame application time	Exposure condition parameter	No. of tests *	Results	
			Continuous parameter mean [mm]	Compliance with parameter [mm]
SIST EN ISO 11925-2: 2020 Flame: 15 seconds	Surface: Fs ≤ 150 mm	0	-	-
	Edge $_{\text{profiled face}}$: Fs ≤ 150 mm	2	170	no
	Edge $_{\text{flat face}}$: Fs ≤ 150 mm	2	180	no
	Ignition of the paper	4	No ignition	-

* The products have two different original faces – profiled and flat – therefore, two tests were performed on each original face. All results of these consecutive tests were negative and due to negative results no further tests were performed.

4. Classification and field of application

4.1 Reference

This classification has been carried out in accordance with Commission delegated Regulation (EU) 2016/364 and SIST EN 13501-1:2019.

Standard SIST EN 13501-1:2019 is identical to EN 13501-1:2018.

4.2 Classification

4.2.1 The format of the reaction to fire classification for construction products, excluding floorings is:

The products **PU acoustic foam ITS2540** in relation to its reaction to fire behaviour is classified: **F**

The additional classification in relation to smoke production is: **-**

The additional classification in relation to flaming droplets/particles is: **-**

Fire behaviour		Smoke production			Flaming droplets	
F	-	-	-	,	-	-

Reaction to fire classification: F

Field of application:

This classification is valid for **PU acoustic foam ITS2540**:

For PU foam as described in paragraph 2.1 for:

- thicknesses as tested,
- density 25 kg/m^3 ± 15%.

Warning

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

Person undertaking classification: mag. Vesna Jereb, univ. dipl. kem.

Person authorising this report: Robert Umek, grad. teh.