

REACTION TO FIRE CLASSIFICATION REPORT

Sponsor

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Product name

StoneForm ThickCoat EPS System

Classification report no.

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CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH PN-EN 13501-1:2019

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 the product StoneForm ThickCoat EPS System in accordance with the procedures given in PN-EN 13501-1:2019.

2. Detailed information about the classified product**2.1 General**

Product StoneForm ThickCoat EPS System is described as integrated, multi-layered wall system with thermal insulation and water-repellent properties, designed for creating structural decorative cladding.

2.2 Product description

Product StoneForm ThickCoat EPS System described below or described in the test reports provided in support of classifications listed in 3.1.

REACTION TO FIRE CLASSIFICATION REPORT

"StoneForm ThickCoat EPS System" made of:

- 100 mm EPS with a density of 20 kg/m³,
- 5 mm preliminary layer of mineral-cement coating used for leveling, ensuring adhesion, and protecting the EPS surface
- ESTonetex Forte,
- EST-Mesh reinforcement mesh with a weight of 145 g/m²,
- 25 mm main layer for shaping and texturing with ESTonetex TXT mineral mortar,
- decorative mineral layers that add color and provide a surface finish: EST-Decor powder patinas around 1mm thick with EST-Silcopin + EST-Color mineral pigments, and EST-Protector mineral water repellent.

The total thickness of the sample is around 144 mm.

3. Reports and results in support of this classification

3.1 Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date
Fire-Lab sp z o.o.	ESTECHA REPRODUCCIONES S.L.	SMP-90/171/06/2026	PN-EN ISO 11925-2:2020-09 2026-06-24
Fire-Lab sp z o.o.	ESTECHA REPRODUCCIONES S.L.	SSBI-149/171/06/2026	PN-EN 13823+A1:2022-12 2026-06-23

3.2 Results

Test method and test number	Parameter	No. tests	Continuous parameter - mean value (m)	Compliance with parameter
PN-EN ISO 11925-2:2020-09 SMP-90/171/06/2026	Fs ≤ 150mm	18	Fs ≤ 150mm	Compliant
	Flaming droplets/particles		None	Compliant
PN-EN 13823+A1:2022-12 SSBI-149/171/06/2026 Tested on gypsum board substrate	FIGRA0,2MJ [W/s]	3	0	(-)
	FIGRA0,4MJ [W/s]		0	(-)
	LFS <edge		None	Compliant
	THR _{600s} [MJ]		0.26	(-)
	SMOGR [m ² /s ²]		0	(-)
	TSP _{600s} [m ²]		0	(-)
	Flaming droplets/particles		None	Compliant

4. Classification and field of application

4.1 Reference of classification

The classification has been carried out in accordance with PN-EN 13501-1:2019.

4.2 Classification

Product: StoneForm ThickCoat EPS System in relation to its reaction to fire behavior is classified:

B

The additional classification in relation to smoke production is:

s1

REACTION TO FIRE CLASSIFICATION REPORT

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 product is:

Reaction to fire classification: B-s1,d0

4.3 Field of application

This classification applies to the product described in point 2.2. of this classification report.

5. Limitations

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

The assigned classification remains as long as:

- The test method will not be changed.
- The product standard or technical approval will not be changed.
- There will be no structural or material changes influencing the properties of the tested material.

PREPARED BY:

AUTHORIZED:



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(name, surname, date, signature)

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(name, surname, position, date, signature)

END OF REPORT