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FIRE RESEARCH CENTRE
PRODUCTS RESEARCH DIVISION

1. Introduction

This classification report defines the classification assigned to the fibre-cement panel "Sfibral Nature" in accordance with procedures given in LST EN 13501-1:2019.

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

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Notified Body No.:	**1796**
Product name:	Fibre-cement panel "Sfibral Nature"
Classification report No.:	20-2.2026.24N
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LIETUVOS RESPUBLIKOS Gaisrinių tyrimų centras PTS
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2. Details of classified product

2.1 General

The product, fibre-cement panel "Sfibral Nature", is defined as a fibre-cement flat sheet for internal or external wall and ceiling finishes in accordance with EN 12467:2012+A2:2018.

2.2 Product description

The product, fibre-cement panel "Sfibral Nature", is fully described in the reports provided in support of classification listed in 3.1.

The panels for tests according to standard LST EN 13823:2020+A1:2022 were mounted vertically on a wooden supporting frame in accordance with EN 12467:2012+A2:2018 p. 7.5.2.2 requirements, the space between test rig backing board and backside of the supporting frame was filled with stone wool insulation "WPI PLUS 35" (manufacturer Rockwool Polska Sp. z o.o., Poland) of A2-s1,d0 class according to EN 13501-1, thickness 50 mm, nominal density declared by manufacturer 75 kg/m^3. Open joints width about 9 mm. 8 mm (thinnest) "SFIBRAL Nature" plate of Ash colour core (determined highest PCS) was tested.

3. Reports and results in support of classification

3.1 Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
Fire Research Centre Products Research Division	UAB "SFIBRAL ON"	20-6.2026.2	LST EN ISO 1716:2018
Fire Research Centre Products Research Division	UAB "SFIBRAL ON"	20-16.2026.3	LST EN 13823:2020+A1:2022

3.2 Results

Test method	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
LST EN 13823	$FIGRA_{0,2MJ} \leq 120$ W/s LFS<edge $THR_{600s} \leq 7,5$ MJ	3(5)	46 Yes 2,9	Compliant Compliant Compliant
	SMOGRA ≤ 30 m^2/s^2 $TSP_{600s} \leq 50$ m^2		7 49	Compliant Compliant
	Within 600 s there aren't any flaming droplets/particles		Yes	Compliant
LST EN ISO 1716	PCS[(1)] $\leq 3,0$ MJ/kg	3(5)	1,5	Compliant
	PCS[(2)] $\leq 3,0$ MJ/kg	3(5)	1,9	Compliant
	PCS[(3)] $\leq 4,0$ MJ/m^2	3	0,3	Compliant
	$PCS_{\text{Product as a whole}} \leq 3,0$ MJ/kg	-	1,6	Compliant

(1) – fibre-cement core of Ash colour (worst case);
(2) – impregnated fibre-cement;
(2) – finish coating.

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with LST EN 13501-1:2019 chapter 11.

4.2 Classification

The product, fibre-cement panel "Sfibral Nature", in relation to its reaction to fire behaviour is classified:

A2

Additional classifications for smoke production:

s1

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

d0

The format of reaction to fire classification construction products excluding floorings and linear pipe thermal insulation products is:

Fire behaviour		Smoke production			Flaming droplets	
A2	-	s	1	,	d	0

i.e. A2-s1,d0

Reaction to fire classification: A2-s1,d0

4.3 Field of application

This classification does not apply to the system*, but only to the product itself for the following end use application:

- product shall be mounted onto the timber or metal structures fixed to the substrate classified of at least A2-s1,d0 according to EN 13501-1, which have a density of at least 615 kg/m^3;
- product can be mounted without thermal insulation behind the panels or with other types insulation materials classified at least A2-s1,d0 according to EN 13501-1 as long as a ventilated air gap $\geq$ 40 mm directly behind the panels is present;
- product can be mounted vertically and horizontally with a joint opening width $\leq$ 9 mm;
- product shall be fixed with metal (excluding aluminium) mechanical devices such as nails or rivets at any distance between fixing centres.

This classification is valid for in chapter 2.2 listed product parameters and additionally for the following product parameters:

- fibre-cement panel thickness $\geq$ 8 mm, the surface texture, length and width are without limitations;
- fibre-cement panel density (1600 $\pm$ 150) kg/m^3;
- coatings consumption can be reduced.

* - calculation for the façade system with thermal insulation was not performed, whereas for the system with timber this classification is not valid; on demand, the system with this product must be classified once more.

5. Limitations

This classification document does not represent certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of AVoCP (assessment and verification of constancy of performance) system 3 and CE marking under the Construction Product Regulation (EU) No. 305/2011.
The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence, the manufacturer has concluded that AVoCP system 3 is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested and manufacturer obligation for ensuring a future stability of production submitted for assessment of performance and informing immediately Products Research Division of FRC when we will change the design of the product.

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