

Sponsor

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Prepared by

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Product name

Aerated concrete blocks SONELIGHT

Classification report No.

RKK-1/07/2024

Issue number

Issue no. 1

Date of issue

18.07.2024

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH 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 aerated concrete blocks SONELIGHT (in accordance with the procedures given in EN 13501-1:2019).

2. Details of classified product

2.1 General

The following product aerated concrete blocks SONELIGHT is used for building constructions (wall material).

2.2 Product description

The product, aerated concrete blocks SONELIGHT is described below or is described in the reports provided in support of classification listed in 3.1.

Product description: Aerated concrete blocks SONELIGHT 300x200x600mm, G, D500 (S1) Autoclaved aerated concrete wall blocks made of cement, sand, lime, gypsum, aluminum paste and water. Density D500 End use: building constructions (wall material) Manufactured in Orientyr-Budelement LLC, 28a Nezalezhnosti Boulevard, Browary, Ukraine

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.	Orientir-Budelement LLC	KAL-1/07/2024	PN-EN 1716:2018-08 8.07.2024
Fire-Lab sp z o.o.	Orientir-Budelement LLC	PR-1/07/2024	PN-EN ISO 1182:2020 15.07.2024

3.2 Results

Test method and test number	Parameter	No. Tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
PN-EN 1716:2018-08 KAL-1/07/2024	PCS [MJ/kg]	3	0,6896	(-)
PN-EN ISO 1182:2020 PR-1/07/2024	Temperatue rise [°C]	5	22,94	(-)
	Mass loss [%]		9,18	(-)
	Flaming [s]		0	(-)

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2019

4.2 Classification

The product, aerated concrete blocks SONELIGHT in relation to its reaction to fire behavior is classified:

A1

The additional classification in relations to smoke production is:

-

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

-

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

Reaction to fire classification: A1

4.3 Field of application

This classification is valid for the following parameters defining the product described in point 2.2.

5. Limitations

This classification document does not represent type approval or certification of the product. The assigned classification remains valid 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.

SIGNED

APPROVED

signature of person undertaking classification

signature of person authorizing this report