

Reaction to fire classification report

1. Introduction

This classification report determines the classification granted to *Fluffo Office wall panel produced by Paweł Sumiński Fabryka Miękkich Ścian* in accordance with the procedures indicated in the PN-EN 13501-1+a1:2010 standard.



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AB 054

REACTION TO FIRE CLASSIFICATION in accordance with PN-EN 13501-1+A1:2010

Principal	<i>Paweł Sumiński Fabryka Miękkich Ścian Ul. Głubczycka 37/3, 02-424 Warszawa</i>
Prepared	<i>Ceramics and Construction Materials Institute Glass and Construction Materials Department in Cracow Ul. Cementowa 8, 31-983 Kraków Gypsum and Construction Chemicals Company</i>
Name of the product	<i>Fluffo Office wall panel</i>
Rating Report No.	<i>SG-27/16/N</i>
Release No.	<i>1</i>
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2. Detailed information about the classified product

2.1 General Provisions

Product, *Fluffo Office wall panel produced by Paweł Sumiński Fabryka Miękkich Ścian*, consists of high density bio-soluble mineral wool and polyamid applied using flock technology.

2.2 Description of the product

Product, *Fluffo Office wall panels produced by Paweł Sumiński Fabryka Miękkich Ścian*, has been described below or has been provided in the research reports, which are the basis of the classification, described in 3.1.

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Description of the product

Fluffo Office wall panel consisting of high density bio-soluble mineral wool and polyamide applied using flock technology.

3. Research reports and research results which are the basis for the classification

3.1 Research reports

Name of the laboratory	Name of the Principal	Research report	Research method
<i>Gypsum and Construction Chemicals Company ICiMB, OSiMB in Cracow</i>	<i>Paweł Sumiński Fabryka Miękkich Ścian Ul. Głubczycka 37/3, 02-424 Warszawa</i>	<i>68/16/SG/N</i>	<i>PN-EN 13823:2010</i>
<i>Gypsum and Construction Chemicals Company ICiMB, OSiMB in Cracow</i>	<i>Paweł Sumiński Fabryka Miękkich Ścian Ul. Głubczycka 37/3, 02-424 Warszawa</i>	<i>69/16/SG/N</i>	<i>PN-EN ISO 11925-2:2010</i>

3.2 Research results

Research method and number	Parameter	Number of tests	Results	
			Continuous parameter – average value (m)	Compliance with the parameter
PN-EN 13823:2010 68/16/SG/N	<i>FIGRA_{0,2MJ} [W/s]</i>	3	<i>466,05</i>	<i>n/a</i>
	<i>FIGRA_{0,4MJ} [W/s]</i>		<i>469,80</i>	<i>n/a</i>
	<i>LFS < edge of the sample</i>		<i>n/a</i>	<i>Yes</i>
	<i>THR_{600s} [MJ]</i>		<i>3,86</i>	<i>n/a</i>
	<i>SMOGRA [m²/s²]</i>		<i>9,40</i>	<i>n/a</i>
	<i>TSP_{600s} [m²]</i>		<i>38,45</i>	<i>n/a</i>
	<i>Flaming droplets/particles</i>		<i>n/a</i>	<i>No</i>
PN-EN ISO 11925-2:2010 69/16/SG/N	<i>F_s ≤ 150mm in 60s time</i>	12	<i>n/a</i>	<i>Yes</i>

4. Classification and its scope of application

4.1 Classification base

The rating has been determined in compliance with PN-EN 13501-1+A1:2010 standard.

4.2 Classification

Product, *Fluffo Office panel produced by Paweł Sumiński Fabryka Miękkich Ścian*, was classified in terms of its reaction to fire as follows:

D

Due to production of smoke, the product obtained additional classification:

s1

Due to presence of flaming droplets/particles, the product obtained additional classification:

d0

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The format of the classification in the scope of reaction to fire of construction products, with the exception of floors and linear products for thermal wire insulation is as follows:

Fire characteristic		Smoke production			Flaming droplets	
<i>D</i>	<i>-</i>	<i>s</i>	<i>1</i>	<i>,</i>	<i>d</i>	<i>0</i>

Reaction to fire classification: <i>D-s1,d0</i>
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4.3 Scope of application

This classification is valid for the Fluffo Office wall panel produced by Paweł Sumiński Fabryka Miękkich Ścian described in the point 2.2 of this classification report.

This classification applies to the end uses in accordance with the technical requirements, which must be fulfilled by buildings and their location. In accordance with the ordinance of the Minister of Infrastructure of 12 April, 2002 on technical conditions to be met by buildings and their location, together with subsequent changes, this rating corresponds to the product description of *Fluffo Office panel produced by Paweł Sumiński Fabryka Miękkich Ścian as **flame retardant and non-dripping.***

5. Restrictions

This classification document is not a technical approval or product certificate.

This report loses its validity in case of modifications to the product or its production process, also where the system of factory production control undergoes significant changes.

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podpis osoby aprobującej raport
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