



REACTION TO FIRE CLASSIFICATION REPORT IN ACCORDANCE WITH PN-EN 13501-1+A1:2010

Contract no. 02039/18/Z00NZP

Sponsor:	Steico Sp. z o.o. ul. Przemysłowa 2 64-700 Czarnków
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Product name:	Cellulose wool with trade name Steico Floc NB
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1. Introduction

This classification report defines the classification assigned to cellulose wool with trade name Steico Floc NB in accordance with the procedures given in PN-EN 13501-1+A1:2010.

2. Details of classified product

2.1 General

The product is defined as cellulose wool with trade name Steico Floc NB used for thermal insulations in construction.

2.2 Product description

The product, is described below.

Product description:

Density of cellulose wool with trade name Steico Floc NB: from 30 kg/m³ to 60 kg/m³ ± 15%.

Cellulose wool with trade name Steico Floc NB is produced in manufacturing site Steico Sp. z o.o. ul. Przemysłowa 2 64-700 Czarnków.

3. Test reports & test results in support of classification

3.1 Test reports

Name of laboratory	Name of sponsor	Test report no.	Test method
Fire Testing Laboratory of ITB	Steico Sp. z o.o.	LZP07-01398/18/Z00NZP	PN-EN ISO 11925-2:2010
		LZP08-01398/18/Z00NZP	
		LZP03-01398/18/Z00NZP	PN-EN 13823+A1:2014
		LZP04-01398/18/Z00NZP	

3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
PN-EN ISO 11925-2 +AC:2011 Surface and edge exposure exposure time 30 s	$F_s \leq 150$ mm	6	(-)	Y
	Flaming Droplets/particles		(-)	N
PN-EN ISO 11925-2+AC:2011 Surface and edge exposure exposure time 30 s	$F_s \leq 150$ mm	6	(-)	Y
	Flaming Droplets/particles		(-)	N
PN-EN 13823+A1:2014	FIGRA _{0,2MJ}	3	59,9	(-)
	FIGRA _{0,4MJ}		52,3	(-)
	LFS < edge		(-)	Y
	THR _{600s} [MJ]		5,1	(-)
	SMOGRA [m ² /s ²]		7,7	(-)
	TSP _{600s} [m ²]		110,5	(-)
	Flaming Droplets/particles		(-)	N
PN-EN 13823+A1:2014	FIGRA _{0,2MJ}	3	73,0	(-)
	FIGRA _{0,4MJ}		68,9	(-)
	LFS < edge		(-)	Y
	THR _{600s} [MJ]		6,1	(-)
	SMOGRA [m ² /s ²]		7,2	(-)
	TSP _{600s} [m ²]		96,2	(-)
	Flaming Droplets/particles		(-)	N

(-): do not concern
Y: Yes
N: No

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with PN-EN 13501-1+A1:2010.

4.2 Classification

The product, cellulose wool with trade name Steico Floc NB described in point 2 this classification report, in relation to its reaction to fire behaviour are classified:

B

The additional classification in relation to smoke production is:

s2

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 products is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	2	,	d	0

i.e.: **B-s2,d0**

Reaction to fire classification: B-s2,d0

4.3 Field of application

This classification is valid for the following product parameters:

- Cellulose wool with trade name Steico Floc NB described in point 2 this classification report.

This classification is valid for the following substrates, fixing and air gaps:

- Substrates with minimum reaction to fire class A2-s3,d0 and gypsum plaster boards.

5 Limitations

This classification given remains valid as long as:

- test method remains unchanged,
- product standard or technical approval remains unchanged,
- constructional or material modifications do not exceed limits of the field of application defined in 4.3.

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

SIGNED



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APPROVED

ACTING HEAD
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~~Bartłomiej Topis, PhD Eng.~~