

# ***Reaction to fire classification report No. 21433J***

## **Owner of the classification report**

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## **Introduction**

This classification report defines the classification assigned to the product **'Sonaspray FC, K-13, K-13SB, Ure-K, Sonakrete'** in accordance with the procedures given in the standard EN 13501-1:2018: Fire classification of construction products and building elements - Part 1: classification using data from reaction to fire tests.

**This classification report consists of 6 pages and may only be used or reproduced in its entirety**

## 1. DETAILS OF CLASSIFIED PRODUCT

### a) General

The product **Sonaspray FC, K-13, K-13SB, Ure-K, Sonakrete** is defined as a 'sprayed cellulose insulation'.

Its classification is valid for the following end use application(s):

Used as spray applied thermal acoustical cellulose insulation.

### b) Product description

*This description is based on information given by the sponsor.*

		Nominal values (1)	
<b>Sonaspray FC, K-13, K-13SB, Ure-K, Sonakrete</b>			
Type of product	Spray applied thermal acoustical cellulose insulation		
Manufacturer/ supplier	International Cellulose Corporation		
Thickness (mm)	12 - 90		
Colour	Grey and white		
Density (kg/m <sup>3</sup> )	60 (1)	White: 70 (2)	Grey: 84 (2)
Application method (insulation to substrate)	Wet sprayed + adhesive: Thermobond 2000 (4)		
Use of fire retardants	Yes		
Amount of fire retardants (weight %)	(4)		(3)

(1) Based on the information given by the sponsor

(2) Values verified by the laboratory

(3) Unverifiable by the laboratory

(4) Known by the laboratory

More details (e.g. mounting and fixing) are available in the test report(s) in support of this classification (§2a).

**2. TEST REPORTS AND EXAP REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION**

a) Test reports (and EXAP reports)

Name of the laboratory	Name of the sponsor	Test report ref. No. and test date	Test method and date
WFRGENT nv Ghent, Belgium	INTERNATIONAL CELLULOSE CORPORATION	21433A:12/08/2021 21433B: 04/08/2021	EN ISO 11925-2:2020
WFRGENT nv Ghent, Belgium	INTERNATIONAL CELLULOSE CORPORATION	21433C:10/08/2021 21433D:10/08/2021	EN 13823:2020
WFRGENT nv Ghent, Belgium	INTERNATIONAL CELLULOSE CORPORATION	21433E	EXAP according to CEN/TS 15117 (August 2005)

b) Test results

**Official test results used for classification.**

Test method	Parameter	Number of tests	Results		Criteria for Class B-s1,d0	
			Continuous parameters Mean	Compliance parameters	Continuous parameters	Compliance parameters
<b>EN ISO 11925-2 (*) (1)</b> 30 s flame application:						
<u>Surface exposure</u> - front side	$F_s \leq 150$ mm Ignition filter paper	6	(-) (-)	Yes No	(-) (-)	Yes No
<u>Edge exposure</u> - mid point 1,5 mm behind surface	$F_s \leq 150$ mm Ignition filter paper	6	(-) (-)	Yes No	(-) (-)	Yes No
(*) The material didn't melt nor pull away from the pilot burner.						
(1) Based on the results obtained in test report No. 21433B: <b>Sonaspray FC, K-13, K-13SB, Ure-K, Sonakrete' 12 mm grey</b>						
<b>EN 13823 (2)</b>	FIGRA <sub>0,2 MJ</sub> (W/s)	3	78	(-)	$\leq 120$	(-)
	LFS <sub>&lt;edge</sub>		(-)	Yes	(-)	Yes
	THR <sub>600s</sub> (MJ)		2,9	(-)	$\leq 7,5$	(-)
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )		6	(-)	$\leq 30$	(-)
	TSP <sub>600s</sub> (m <sup>2</sup> )		43	(-)	$\leq 50$	(-)
	Flaming droplets/particles f < 10 s		(-)	No	(-)	No
	f > 10 s		(-)	No	(-)	No
(2) Based on the results obtained in test report No. 21433D: <b>Sonaspray FC, K-13, K-13SB, Ure-K, Sonakrete' 12 90 mm grey</b>						

(-) Not applicable.

### 3. CLASSIFICATION AND FIELD OF APPLICATION

a) Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

b) Classification

The product '**Sonaspray FC, K-13, K-13SB, Ure-K, Sonakrete**' in relation to its reaction to fire behavior is classified as:

Fire behavior	Smoke production	Flaming droplets
B	s1	d0

c) Field of application

This classification for the product as described in §1b, is valid for the following end use applications:

- Substrate: paper faced gypsum plasterboard (Sheetrock; 16 mm; 10,74 kg/m<sup>2</sup>).
- Fixing: sprayed onto the substrate
- No joints

This classification is valid for the following product parameters:

- Nominal thickness: 12 mm to 90 mm
- Colours: grey and white
- Use of fire retardants: yes
- Density: white 70 kg/m<sup>3</sup> and grey 84 kg/m<sup>3</sup> (measured by the lab)

### 4. RESTRICTIONS

At the time the standard EN 13501-1:2018 was published, no decision was made concerning the duration of validity of a classification report.

Provisions of Regulation (EU) 305/2011, commonly known as the Construction Products Regulation (CPR), prevail over any conflicting provisions in the harmonized standards and technical specifications.

## 5. WARNING

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

The test laboratory has played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide evidence for the traceability of the samples tested.

According to the information mentioned by the sponsor on the technical information sheet there was no product standard for CE marking available at the time the classification report for the tested material/product was drafted.

When such a product standard is published, this report may be submitted again to the laboratory to evaluate the adequacy of the report for CE marking.

PREPARED BY

APPROVED BY

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