



Institut pro testování a certifikaci, a.s.
Divize CSI - Centrum stavebního inženýrství

Fire Technical Laboratory

**AUTHORIZED
BODY**

**NOTIFIED
BODY**

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

Applicant: Fibertex Nonwovens, a.s.
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Product name: *FIBERACOUSTIC 450, roll no.: 2521
345 12 003-01*

**Classification
report No.:** PK-22-061

Issue number: 1/2

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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product, *FIBERACOUSTIC 450*, roll no.: 2521 345 12 003-01, is defined as type of sound absorbing membrane.

Description:

The product *FIBERACOUSTIC 450*, roll no.: 2521 345 12 003-01 is fully described in the test reports in support of the classification listed in clause 2.

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

Test reports

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
ITC, a.s., Divize CSI, AZL 1007.4	Fibertex Nonwovens, a.s.	22/P102	ČSN EN ISO 11925-2
		22/P103	ČSN EN 13823

Measured values and test results:

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 11925-2 exposition = 30 s surface flame attack	$F_s \leq 150$ mm ignition of filter paper	6	yes	yes (B - D)
		6	no	yes (d2)
ČSN EN ISO 11925-2 exposition = 30 s edge flame attack	$F_s \leq 150$ mm ignition of filter paper	6	yes	yes (B - D)
		6	no	yes (d2)
ČSN EN 13823	$FIGRA_{0,2 MJ}$ (W/s)	3	0	≤ 120 (B)
	$LFS < edge$	3	yes	yes (B,C)
	$THR_{600 s}$ (MJ)	3	0,4	$\leq 7,5$ (B)
	$SMOGRA$ (m ² /s ²)	3	0	≤ 30 (s1)
	$TSP_{600 s}$ (m ²)	3	10,2	≤ 50 (s1)
	flaming droplets / particles	3	no	no (d0)

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

Reference and direct field of application

This classification has been carried out in accordance with the clause 11.6, 11.9.2 and 11.10.1 of ČSN EN 13501-1:2019.

Classification

The product *FIBERACOUSTIC 450*, roll no.: 2521 345 12 003-01, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for *FIBERACOUSTIC 450*, roll no.: 2521 345 12 003-01 is:

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

Reaction to fire classification: B-s1, d0

Field of application:

This classification is valid for the following end use conditions:

- without substrate

4. LIMITATIONS

Restrictions

This classification report is valid until 13th April 2027, provided that the technical specifications of the product will not be changed.

Warning

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

Prepared: 
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Jiří Socha



Reviewed: 
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Vít Slaboch
head of laboratory