



Centrum stavebního inženýrství a.s.

Fire Technical Laboratory

AUTHORIZED
BODY No. 212

NOTIFIED
BODY No. 1390

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH ČSN EN 13501-1+A1:2010

Applicant: Fibertex, a.s.
Průmyslová 2179/20
568 23 Svitavy
Czech Republic

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Product name: *FiberAcoustic FR PET 451*

**Classification
report No.:** PK-11-125

Issue number: 1/2

Date of issue: 8th December 2011

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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

Classification of the product *FiberAcoustic FR PET 451* is valid for the following end use application:

nonwoven material for sound absorption.

Description:

The product *FiberAcoustic FR PET 451* 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
CSI a.s., Fire technical laboratory	Fibertex, a.s.	15791 - 1/3	ČSN EN ISO 11925-2
		15791 - 2/3	
		15791 - 3/3	ČSN EN 13823

Test results:

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 11925-2 exposition = 30 s	$F_s \leq 150 \text{ mm}^{(1)}$	6	(-)	yes
	$F_s \leq 150 \text{ mm}^{(2)}$	6	(-)	yes
	ignition of the filter paper	12	(-)	no
ČSN EN 13823	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	3	5,3	(-)
	$LFS > \text{edge}$	3	(-)	no
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	1,1	(-)
	$SMOGRA \text{ (m}^2/\text{s}^2)$	3	0,0	(-)
	$TSP_{600 \text{ s}} \text{ (m}^2)$	3	6,7	(-)
	flaming droplets / particles[s]	3	0	no

(-): not applicable

(1): surface flame attack

(2): edge flame attack

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+A1:2010.

Classification

The product *FiberAcoustic FR PET 451*, 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 FR PET 451* 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 also valid for the following product parameters:

- thickness $\leq 2,5$ mm
- mass per unit area ≤ 450 g/m²

This classification is valid for the following end use conditions:

- without substrate

4. LIMITATIONS

Restrictions

This classification report is valid until 8th December 2016, 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