



# 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:**

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**Product name:** *FiberAcoustic FR PET 75*

**Classification  
report No.:** PK-12-017

**Issue number:** 1/2

**Date of issue:** 15<sup>th</sup> February 2012

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## 1. DETAILS OF CLASSIFIED PRODUCT

### Nature and end use application:

Classification of the product *FiberAcoustic FR PET 75* is valid for the following end use application:

nonwoven material for sound absorption.

### Description:

The product *FiberAcoustic FR PET 75* 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 Nonwovens A/S	15861 - 1/3	ČSN EN ISO 11925-2
		15861 - 2/3	
		15861 - 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	59,5	(-)
	$LFS > \text{edge}$	3	(-)	no
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	3,5	(-)
	$SMOGRA \text{ (m}^2/\text{s}^2)$	3	0,0	(-)
	$TSP_{600 \text{ s}} \text{ (m}^2)$	3	14,1	(-)
	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 75*, 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 75* 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  $\leq 0,25$  mm
- mass per unit area  $\leq 87$  g/m<sup>2</sup>

This classification is valid for the following end use conditions:

- without substrate

#### 4. LIMITATIONS

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##### Restrictions

This classification report is valid until 15<sup>th</sup> February 2017, 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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Reviewed:



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