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**Divize CSI - Centrum stavebního inženýrství**

**Fire Technical Laboratory**

**AUTHORIZED  
BODY**

**NOTIFIED  
BODY**

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

**Applicant:** Příhoda s.r.o.  
Za Radnicí 476  
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**Product name:** Textile product „Příhoda PLS“ / Textile  
product „Příhoda NLS“

**Classification  
report No.:** PK-20-097

**Issue number:** 1/2

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## 1. DETAILS OF CLASSIFIED PRODUCT

### Nature and end use application:

The classification of the product *Textile product „Příhoda PLS“ / Textile product „Příhoda NLS“* is valid for the following end use application:

Hanged textile air distribution system

### Description:

The product *Textile product „Příhoda NLS“* is fully described in the test reports in support of the classification listed in clause 2. The product *„Příhoda NLS“* was selected for reaction to fire tests. Product *„Příhoda PLS“* has the same composition and as the tested *„Příhoda NLS“*. The products differ only in the different air permeability.

## 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	Příhoda s.r.o.	15/461/P211	ČSN EN ISO 11925-2
		15/462/P212	ČSN EN 13823
ITC a.s., Divize CSI, Fire technical laboratory		20/P273	ČSN EN 13823+A1

### Measured values a test results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 11925-2 exposition = 30 s	$F_s \leq 150 \text{ mm}^{(1)}$ ignition of filter paper <sup>(1)</sup>	6	yes	yes (B to D)
	$F_s \leq 150 \text{ mm}^{(2)}$ ignition of filter paper <sup>(2)</sup>	6	no	no (d0)
	$F_s \leq 150 \text{ mm}^{(1)}$ ignition of filter paper <sup>(1)</sup>	6	yes	yes (B to D)
	$F_s \leq 150 \text{ mm}^{(2)}$ ignition of filter paper <sup>(2)</sup>	6	no	no (d0)
ČSN EN 13823+A1 Tested on 10 <sup>th</sup> June 2020	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	3	0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	3	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	0,5	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2)$	3	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	3	7,9	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	3	6,6	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	3	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	1,1	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2)$	3	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	3	7,8	$\leq 50 \text{ (s1)}$

	flaming droplets / particles	3	no	no (d0)
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(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 clauses 11.6, 11.9.2 and 11.10.1 of ČSN EN 13501-1:2019.

#### Classification

The product *Textile product „Příhoda PLS“ / Textile product „Příhoda NLS“*, 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 *Textile product „Příhoda PLS“ / Textile product „Příhoda NLS“* 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:

- Mass per unit area  $\leq 80 \text{ g/m}^2$

This classification is valid for the following end use conditions:

- Without substrate

## 4. LIMITATIONS

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### Restrictions

This classification report is valid, 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