



# 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:** Příhoda s.r.o.  
Za Radnicí 476  
539 01 Hlinsko  
Czech Republic

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**Product name:** Textile product „Příhoda NHE“

**Classification  
report No.:** PK-17-040

**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 NHE“* is valid for the following end use application:

Hanged textile air distribution system

### Description:

The product *Textile product „Příhoda NHE“* 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	Příhoda s.r.o.	12871 – 1/2 15299 – 1/2 17/440/P255 17/440/P256	ČSN EN ISO 1716
CSI a.s., Fire technical laboratory	Příhoda s.r.o.	12871 – 2/2 15897	ČSN EN 13823

### Measured values and test results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 1716	<i>PCS</i> (MJ/kg) <sup>(1)</sup>	3	1,05	≤ 3 (A2)
	<i>PCS</i> (MJ/kg) <sup>(3)</sup>	3	1,11	
	<i>PCS</i> (MJ/kg) <sup>(4)</sup>	3	1,02	
	<i>PCS</i> (MJ/kg) <sup>(5)</sup>	3	1,09	
ČSN EN 13823 <sup>(1)</sup>	<i>FIGRA</i> <sub>0,2 MJ</sub> (W/s)	3	0,0	≤ 120 (A2, B)
	<i>LFS</i> < edge	3	yes	yes (A2, B, C)
	<i>THR</i> <sub>600 s</sub> (MJ)	3	0,5	≤ 7,5 (A2, B)
	<i>SMOGRA</i> (m <sup>2</sup> /s <sup>2</sup> )	3	0,0	≤ 30 (s1)
	<i>TSP</i> <sub>600 s</sub> (m <sup>2</sup> )	3	16,7	≤ 50 (s1)
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823 <sup>(2)</sup>	<i>FIGRA</i> <sub>0,2 MJ</sub> (W/s)	1	0,0	≤ 120 (A2, B)
	<i>LFS</i> < edge	1	yes	yes (A2, B, C)
	<i>THR</i> <sub>600 s</sub> (MJ)	1	0,3	≤ 7,5 (A2, B)
	<i>SMOGRA</i> (m <sup>2</sup> /s <sup>2</sup> )	1	0,0	≤ 30 (s1)
	<i>TSP</i> <sub>600 s</sub> (m <sup>2</sup> )	1	11,7	≤ 50 (s1)
	flaming droplets / particles	1	no	no (d0)

- (1): product from 16<sup>th</sup> November 2005, colour silver - white  
 (2): product from 13<sup>th</sup> February 2012, colour blue - black  
 (3): product from 22<sup>nd</sup> November 2010, colour silver - white  
 (4): product from 10<sup>th</sup> February 2017, colour blue - black  
 (5): product from 10<sup>th</sup> February 2017, colour silver - white

### 3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

#### Reference and direct field of application

This classification has been carried out in accordance with the clauses 11.7.2, 11.9.2 and 11.10.1 of ČSN EN 13501-1+A1:2010.

#### Classification

The product *Textile product „Příhoda NHE“*, in relation to its reaction to fire behaviour is classified:

**A2**

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 NHE“* is:

Fire behaviour		Smoke production			Flaming droplets	
A2	-	s	1	,	d	0

**Reaction to fire classification: A2-s1, d0**

#### Field of application

This classification is valid for the following product parameters:

- Colour: without limitation

This classification is valid for the following end use conditions:

- Without backing

## 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:		Reviewed:
 ..... Jiří Socha		 ..... Vít Slaboch technical manager of laboratory