



# Centrum stavebního inženýrství a.s.

Fire Technical Laboratory

AUTHORIZED  
BODY No. 212

NOTIFIED  
BODY No. 1390

## CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1:2007+A1:2009

**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-12-055

**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	ČSN EN ISO 1716
CSI a.s., Fire technical laboratory	Příhoda s.r.o.	12871 – 2/2 15897	ČSN EN 13823

### Measured values

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 1716	PCS (MJ/kg)	3	1,05	(-)
ČSN EN 13823 <sup>(1)</sup>	FIGRA <sub>0,2 MJ</sub> (W/s)	3	0,0	(-)
	LFS > edge	3	(-)	no
	THR <sub>600 s</sub> (MJ)	3	0,5	(-)
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )	3	0,0	(-)
	TSP <sub>600 s</sub> (m <sup>2</sup> )	3	16,7	(-)
	flaming droplets / particles	3	(-)	no
ČSN EN 13823 <sup>(2)</sup>	FIGRA <sub>0,2 MJ</sub> (W/s)	1	0,0	(-)
	LFS > edge	1	(-)	no
	THR <sub>600 s</sub> (MJ)	1	0,3	(-)
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )	1	0,0	(-)
	TSP <sub>600 s</sub> (m <sup>2</sup> )	1	11,7	(-)
	flaming droplets / particles	1	(-)	no

(-): not applicable

(1): product from 16<sup>th</sup> November 2005

(2): product from 13<sup>th</sup> February 2012

**Test results**

Test method	Parameter	Mean value	Criterion compliance
ČSN EN ISO 1716	PCS (MJ/kg)	1,05	≤ 3 (A2)

**Test results**

Test method	Parameter	Mean value		Criterion compliance
		(1)	(2)	
ČSN EN 13823	FIGRA <sub>0,2MJ</sub> [W/s]	0	0	≤ 120 (A2)
	THR <sub>600s</sub> [MJ]	0,6	0,3	≤ 7,5 (A2)
	LFS > edge	no	no	no (A2)
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]	0	0	≤ 30 (s1)
	TSP <sub>600s</sub> [m <sup>2</sup> ]	14,8	11,7	≤ 50 (s1)
	Flaming droplets / particles	no	no	no (d0)

(1): product from 16<sup>th</sup> November 2005  
(2): product from 13<sup>th</sup> February 2012

**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 EN 13501-1:2007+A1:2009.

**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 end use conditions:

- Without backing

## 4. LIMITATIONS

#### Restrictions

This classification report is valid until 25<sup>th</sup> May 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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