



# 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  
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**Product name:** Textile product „Příhoda PMS“ / Textile  
product „Příhoda PMSre“

**Classification  
report No.:** PK-15-017

**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 PMS“ / Textile product „Příhoda PMSre“* is valid for the following end use application:

Hanged textile air distribution system

### Description:

The product *Textile product „Příhoda PMS“ / Textile product „Příhoda PMSre“* is fully described in the test reports in support of the classification listed in clause 2. For reaction to fire tests was selected product *„Příhoda PMS“*, which has the same composition and higher weight per square meter declared by the manufacturer. The results of reaction to fire tests can be applied to a product *„Příhoda NMS“*.

## 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.	17000 - 1/3 17000 - 2/3 14/260/P171	ČSN EN ISO 11925-2
		17000 - 3/3 14/254/P165 15/337/P087	ČSN EN 13823

## 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 product of weight 210 g/m <sup>2</sup>	$F_s \leq 150$ mm <sup>(1)</sup>	6	yes	yes (B to D)
	ignition of filter paper <sup>(1)</sup>	6	no	no (d0)
	$F_s \leq 150$ mm <sup>(2)</sup>	6	yes	yes (B to D)
	ignition of filter paper <sup>(2)</sup>	6	no	no (d0)
ČSN EN ISO 11925-2 exposition = 30 s product of weight 320 g/m <sup>2</sup>	$F_s \leq 150$ mm <sup>(1)</sup>	6	yes	yes (B to D)
	ignition of filter paper <sup>(1)</sup>	6	no	no (d0)
	$F_s \leq 150$ mm <sup>(2)</sup>	6	yes	yes (B to D)
	ignition of filter paper <sup>(2)</sup>	6	no	no (d0)
ČSN EN 13823 textile product "Příhoda PMSre"	$FIGRA_{0,2 MJ}$ (W/s)	1	19,1	≤ 120 (B)
	LFS < edge	1	yes	yes (B)
	$THR_{600 s}$ (MJ)	1	1,6	≤ 7,5 (B)
	SMOGR <sub>A</sub> (m <sup>2</sup> /s <sup>2</sup> )	1	0	≤ 30 (s1)
	$TSP_{600 s}$ (m <sup>2</sup> )	1	15,3	≤ 50 (s1)
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823 product of weight 210 g/m <sup>2</sup>	$FIGRA_{0,2 MJ}$ (W/s)	1	17,0	≤ 120 (B)
	LFS < edge	1	yes	yes (B)
	$THR_{600 s}$ (MJ)	1	1,5	≤ 7,5 (B)
	SMOGR <sub>A</sub> (m <sup>2</sup> /s <sup>2</sup> )	1	0	≤ 30 (s1)
	$TSP_{600 s}$ (m <sup>2</sup> )	1	17,9	≤ 50 (s1)
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823 exposition = 30 s product of weight 320 g/m <sup>2</sup>	$FIGRA_{0,2 MJ}$ (W/s)	3	0	≤ 120 (B)
	LFS < edge	3	yes	yes (B)
	$THR_{600 s}$ (MJ)	3	0,5	≤ 7,5 (B)
	SMOGR <sub>A</sub> (m <sup>2</sup> /s <sup>2</sup> )	3	0	≤ 30 (s1)
	$TSP_{600 s}$ (m <sup>2</sup> )	3	11,3	≤ 50 (s1)
	flaming droplets / particles	3	no	no (d0)

(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+A1:2010.

#### Classification

The product *Textile product „Příhoda PMS“ / Textile product „Příhoda PMSre“*, 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 PMS“ / Textile product „Příhoda PMSre“* 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:(210 to 320) 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 19<sup>th</sup> February 2020, 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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