



# 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  
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**Product name:** Textile product „Příhoda NMR“ / Textile  
product „Příhoda NMI“ / Textile product  
„Příhoda PMI“

**Classification  
report No.:** PK-18-071

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## 1. DETAILS OF CLASSIFIED PRODUCT

### Nature and end use application:

The classification of the product *Textile product „Příhoda NMR“ / Textile product „Příhoda NMI“ / Textile product „Příhoda PMI“* is valid for the following end use application:

Hanged textile air distribution system

### Description:

The product *Textile product „Příhoda NMR“ / Textile product „Příhoda NMI“ / Textile product „Příhoda PMI“* 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.	12281 - 1/2 13805 - 1/2	ČSN EN ISO 11925-2
		12281 - 2/2 13805 - 2/2 14932 14933 16451 18/400/P306 18/440/P307 18/440/P308	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 s surface flame attack	$F_s \leq 150 \text{ mm}^{(1)}$	6	yes	yes (B to D)
	ignition of filter paper <sup>(1)</sup>	6	no	no (d0)
	$F_s \leq 150 \text{ mm}^{(2)}$	6	yes	yes (B to D)
	ignition of filter paper <sup>(2)</sup>	6	no	no (d0)
ČSN EN 13823 <sup>(3)</sup>	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	3	0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	3	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	0,5	$\leq 7,5 \text{ (B)}$
	$SMOGRAM \text{ (m}^2/\text{s}^2)$	3	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	3	16,7	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823 <sup>(4)</sup>	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	3	5,0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	3	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	0,6	$\leq 7,5 \text{ (B)}$
	$SMOGRAM \text{ (m}^2/\text{s}^2)$	3	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	3	19,5	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823 <sup>(5)</sup>	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	0,6	$\leq 7,5 \text{ (B)}$
	$SMOGRAM \text{ (m}^2/\text{s}^2)$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	1	21,3	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823 <sup>(6)</sup>	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	9,7	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	0,7	$\leq 7,5 \text{ (B)}$
	$SMOGRAM \text{ (m}^2/\text{s}^2)$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	1	24,3	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823 <sup>(7)</sup>	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	36,5	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	1,0	$\leq 7,5 \text{ (B)}$
	$SMOGRAM \text{ (m}^2/\text{s}^2)$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	1	14,9	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823+A1 <sup>(8)</sup>	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	0,5	$\leq 7,5 \text{ (B)}$
	$SMOGRAM \text{ (m}^2/\text{s}^2)$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	1	11,8	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823+A1 <sup>(9)</sup>	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	0,5	$\leq 7,5 \text{ (B)}$
	$SMOGRAM \text{ (m}^2/\text{s}^2)$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	1	13,5	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823+A1 <sup>(10)</sup>	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	0,4	$\leq 7,5 \text{ (B)}$
	$SMOGRAM \text{ (m}^2/\text{s}^2)$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	1	17,4	$\leq 50 \text{ (s1)}$

	flaming droplets / particles	1	no	no (d0)
(1): PMI - Test report No. 12281-1/2				
(2): NMI - Test report No. 13805-1/2				
(3): PMI - Test report No. 12281-2/2				
(4): NMI - Test report No. 13805-2/2				
(5): PMI - Test report No. 14932				
(6): NMI - Test report No. 14933				
(7): NMR - Test report No. 16451				
(8): PMI - Test report No. 18/440/P306				
(9): NMI - Test report No. 18/440/P307				
(10): NMR - Test report No. 18/440/P308				

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

#### Classification

The product *Textile product „Příhoda NMR“ / Textile product „Příhoda NMI“ / Textile product „Příhoda PMI“*, 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 NMR“ / Textile product „Příhoda NMI“ / Textile product „Příhoda PMI“* 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 valid for the following product parameters:

- “Příhoda NMR”
  - thickness: (0,40 - 0,43) mm
  - weight: (340 - 460) g/m<sup>2</sup>
- “Příhoda NMI”
  - thickness: (0,31 - 0,45) mm

- weight: (220 - 350) g/m<sup>2</sup>
- "Příhoda PMI"
  - thickness: (0,30 - 0,42) mm
  - weight: (220 - 300) g/m<sup>2</sup>

This classification is valid for the following end use conditions:

- Without backing

#### 4. LIMITATIONS

##### 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:
		
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