



Institut pro testování a certifikaci, a.s.
Divize CSI - Centrum stavebního inženýrství

Fire Technical Laboratory

**AUTHORIZED
BODY**

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CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1:2019

Applicant: Příhoda s.r.o.
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Product name: Textile product „Příhoda NMR“ / Textile
product „Příhoda NMI“ / Textile product
„Příhoda PMI“

**Classification
report No.:** PK-22-213

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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
Divize CSI, Fire technical laboratory	Příhoda s.r.o.	22/P531	ČSN EN ISO 11925-2
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 16/764/P514 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 Příhoda NMI, face side, test report no. 22/P531	$F_s \leq 150 \text{ mm}^{(1)}$	6	yes	yes (B to D)
	ignition of filter paper ⁽¹⁾	6	no	no (d0)
	$F_s \leq 150 \text{ mm}^{(2)}$	6	yes	yes (B to D)
	ignition of filter paper ⁽²⁾	6	no	no (d0)
ČSN EN ISO 11925-2 exposition = 30 s surface flame attack Příhoda NMI, back side, test report no. 22/P531	$F_s \leq 150 \text{ mm}^{(1)}$	6	yes	yes (B to D)
	ignition of filter paper ⁽¹⁾	6	no	no (d0)
	$F_s \leq 150 \text{ mm}^{(2)}$	6	yes	yes (B to D)
	ignition of filter paper ⁽²⁾	6	no	no (d0)
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 ⁽¹⁾	6	no	no (d0)
	$F_s \leq 150 \text{ mm}^{(2)}$	6	yes	yes (B to D)
	ignition of filter paper ⁽²⁾	6	no	no (d0)
ČSN EN 13823 ⁽³⁾	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	3	0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	3	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	0,5	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	3	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	3	16,7	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823 ⁽⁴⁾	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	3	5,0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	3	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	0,6	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	3	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	3	19,5	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823 ⁽⁵⁾	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	0,6	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	1	21,3	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823 ⁽⁶⁾	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	9,7	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	0,7	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	1	24,3	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823 ⁽⁷⁾	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	36,5	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	1,0	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	1	14,9	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823+A1 ⁽⁸⁾	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	0,5	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	1	11,8	$\leq 50 \text{ (s1)}$

	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823+A1 ⁽⁹⁾	FIGRA _{0,2 MJ} (W/s)	1	0	≤ 120 (B)
	LFS < edge	1	yes	yes (B)
	THR _{600 s} (MJ)	1	0,5	≤ 7,5 (B)
	SMOGRA (m ² /s ²)	1	0	≤ 30 (s1)
	TSP _{600 s} (m ²)	1	13,5	≤ 50 (s1)
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823+A1 ⁽¹⁰⁾	FIGRA _{0,2 MJ} (W/s)	1	0	≤ 120 (B)
	LFS < edge	1	yes	yes (B)
	THR _{600 s} (MJ)	1	0,4	≤ 7,5 (B)
	SMOGRA (m ² /s ²)	1	0	≤ 30 (s1)
	TSP _{600 s} (m ²)	1	17,4	≤ 50 (s1)
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823 ⁽¹¹⁾	FIGRA _{0,2 MJ} (W/s)	1	0	≤ 120 (B)
	LFS < hrana	1	ano	ano (B)
	THR _{600 s} (MJ)	1	0,7	≤ 7,5 (B)
	SMOGRA (m ² /s ²)	1	0	≤ 30 (s1)
	TSP _{600 s} (m ²)	1	10,2	≤ 50 (s1)
	plamenně hořící kapky/částice	1	ne	ne (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 (11): PMI after 50 wash cycles, Test report No. 16/764/P514				

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 13501-1:2019.

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: (300 - 460) g/m²
- “Příhoda NMI”
 - thickness: (0,31 - 0,45) mm
 - weight: (200 - 320) g/m²
- “Příhoda PMI”
 - thickness: (0,30 - 0,42) mm
 - weight: (200 - 320) g/m²

This classification is valid for the following end use conditions:

- Without backing
- This classification is also valid for the all products listed in clause 1 after washing procedure

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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