



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

Fire Technical Laboratory

**AUTHORIZED
BODY**

**NOTIFIED
BODY**

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

Applicant: Příhoda s.r.o.
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Product name: Textile product „Příhoda PMS“ / Textile
product „Příhoda PMSre“ / Textile
product „Příhoda NMS“ / Textile product
„Příhoda NMSre“

**Classification
report No.:** PK-22-190

Issue number: 1/2

Date of issue: 23rd November 2022

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

Hanged textile air distribution system

Description:

The product *Textile product „Příhoda PMS“ / Textile product „Příhoda PMSre“ / Textile product „Příhoda NMS“ / Textile product „Příhoda NMSre“* 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.	17000 - 1/3 17000 - 2/3 14/260/P171	ČSN EN ISO 11925-2
		17000 - 3/3 14/254/P165 15/337/P087 19/440/P576	ČSN EN 13823
ITC a.s., Divize CSI, Fire technical laboratory		19/440/P576 19/440/P577	ČSN EN 13823+A1
ITC a.s., Divize CSI, Fire technical laboratory		22/P438 22/P439	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 ²	$F_s \leq 150$ mm ⁽¹⁾ ignition of filter paper ⁽¹⁾	6	yes	yes (B to D)
		6	no	no (d0)
	$F_s \leq 150$ mm ⁽²⁾ ignition of filter paper ⁽²⁾	6	yes	yes (B to D)
		6	no	no (d0)

ČSN EN ISO 11925-2 exposition = 30 s product of weight 320 g/m ²	$F_s \leq 150 \text{ mm}^{(1)}$	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 textile product "Příhoda PMSre"	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	19,1	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	1,6	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	1	15,3	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823+A1 textile product "Příhoda PMSre" tested on December 2019	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	3,5	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	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	13,1	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823+A1 textile product "Příhoda NMS" tested on June 2020	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	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	7,9	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823 product of weight 210 g/m ²	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	17,0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	1,5	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	1	17,9	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823 product of weight 320 g/m ²	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	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	11,3	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823 product "Příhoda NMS" after 50 washing cycles	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	0	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	0,8	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	1	13,6	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823 product "Příhoda NMSre" after 50 washing cycles	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	24,2	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	1	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	1,4	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	1	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	1	27,1	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	1	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 13501-1:2019.

Classification

The product *Textile product „Příhoda PMS“ / Textile product „Příhoda PMSre“ / Textile product „Příhoda NMS“ / Textile product „Příhoda NMSre“*, 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“ / Textile product „Příhoda NMS“ / Textile product „Příhoda NMSre“* 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:(200 to 320) g/m²
- This classification is also valid for the all products listed in clause 1 after washing procedure

This classification is valid for the following end use conditions:

- Without substrate

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:



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Reviewed:



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head of laboratory