



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
539 01 Hlinsko
Czech Republic

Prepared by: Centrum stavebního inženýrství a.s.
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Product name: Textile product „Příhoda NMF“

**Classification
report No.:** PK-16-067

Issue number: 1/2

Date of issue: 30th May 2016

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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The classification of the product *Textile product „Příhoda NMF“* is valid for the following end use application:

Hanged textile air distribution system

Description:

The composition of the product *Textile product „Příhoda NMF“* is identical to product Příhoda MHI tested on 31st July 2007. Difference is only in mass per unit area and thickness.

Parameters of tested samples:

Product sample	mass per unit area	thickness
Příhoda NHI	470 g/m ²	0,45 mm
Příhoda NMF	290 g/m ²	0,25 mm

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.	13670 – 1/2	ČSN EN ISO 11925-2
		15406 – 1/2	
CSI a.s., Fire technical laboratory	Příhoda s.r.o.	13670 – 2/2	ČSN EN 13823
		15406 – 2/2	
		16/329/P079	

Measured values and 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	$F_s \leq 150 \text{ mm}^{(1)}$ ignition of filter paper ⁽¹⁾	3 3	yes no	yes (B to D) no (d0)	
	$F_s \leq 150 \text{ mm}^{(2)}$ ignition of filter paper ⁽²⁾	3 3	yes no	yes (B to D) no (d0)	
	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$ $LFS < \text{edge}$ $THR_{600 \text{ s}} \text{ (MJ)}$	3 3 3	6,7 yes 0,3	$\leq 120 \text{ (B)}$ yes (B) $\leq 7,5 \text{ (B)}$	
	$SMOGRA \text{ (m}^2/\text{s}^2)$ $TSP_{600 \text{ s}} \text{ (m}^2)$ flaming droplets / particles	3 3 3	16,0 53,7 no	$\leq 30 \text{ (s1)}$ $\leq 50 \text{ (s1)}$ no (d0)	
ČSN EN 13823 sample tested on 31 st July 2007	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$ $LFS < \text{edge}$ $THR_{600 \text{ s}} \text{ (MJ)}$	3 3 3	6,7 yes 0,3	$\leq 120 \text{ (B)}$ yes (B) $\leq 7,5 \text{ (B)}$	
	$SMOGRA \text{ (m}^2/\text{s}^2)$ $TSP_{600 \text{ s}} \text{ (m}^2)$ flaming droplets / particles	3 3 3	16,0 53,7 no	$\leq 30 \text{ (s1)}$ $\leq 50 \text{ (s1)}$ no (d0)	
	ČSN EN 13823 sample tested on 16 th March 2011	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$ $LFS < \text{edge}$ $THR_{600 \text{ s}} \text{ (MJ)}$	1 1 1	3,0 yes 0,3	$\leq 120 \text{ (B)}$ yes (B) $\leq 7,5 \text{ (B)}$
		$SMOGRA \text{ (m}^2/\text{s}^2)$ $TSP_{600 \text{ s}} \text{ (m}^2)$ flaming droplets / particles	1 1 1	7,0 37,1 no	$\leq 30 \text{ (s1)}$ $\leq 50 \text{ (s1)}$ no (d0)
		ČSN EN 13823 sample tested on 12 th April 2016	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$ $LFS < \text{edge}$ $THR_{600 \text{ s}} \text{ (MJ)}$	1 1 1	0 yes 0,9
$SMOGRA \text{ (m}^2/\text{s}^2)$ $TSP_{600 \text{ s}} \text{ (m}^2)$ flaming droplets / particles			1 1 1	0 24,9 no	$\leq 30 \text{ (s1)}$ $\leq 50 \text{ (s1)}$ no (d0)

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, 11.9.3 and 11.10.1 of ČSN EN 13501-1+A1:2010.

Classification

The product *Textile product „Příhoda NMF“*, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets/particles is:

d0

The format of the reaction to fire classification for *Textile product „Příhoda NMF“* is:

Fire behaviour		Smoke production				Flaming droplets	
B	-	s	2	,	d	0	

Reaction to fire classification: B-s2, d0

Field of application

This classification is valid for the following end use conditions:

- Without backing

This classification is valid for the following product parameters:

- mass per unit area: 290 to 470 g/m²
- colour: without limitation

4. LIMITATIONS

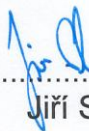
Restrictions

This classification report is valid until 30th May 2021, 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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