



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
539 01 Hlinsko
Czech Republic

Prepared by: Centrum stavebního inženýrství a.s.
Pražská 16
102 21 Praha 10
Czech Republic

Product name: Textile product „Příhoda NMF“

**Classification
report No.:** PK-11-018

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Address:
PRAŽSKÁ 16, 102 21 PRAHA 10, Czech Republic, E mail: csias@csias.cz, http://www.csias.cz
Reg. No. 45274860, VAT No. CZ45274860. The Company is registered in the Commercial Register
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Fire Technical Laboratory, E-mail: ptl@csias.cz
Phone: +420 281 017 111, Fax: +420 281 017 455

1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

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

Hanged textile air distribution system

Description:

The composition of the product *Textile product „Přihoda NMF“* is identical to product *Přihoda 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
Přihoda NHI	470 g/m ²	0,45 mm
Přihoda 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	Přihoda s.r.o.	13670 – 1/2	ČSN EN ISO 11925-2
		15406 – 1/2	
CSI a.s., Fire technical laboratory	Přihoda s.r.o.	13670 – 2/2	ČSN EN 13823
		15406 – 2/2	

Measured values

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 11925-2 exposition = 30 s surface flame attack	$F_s \leq 150 \text{ mm}^{(1)}$	3	(-)	yes
	ignition of filter paper ⁽¹⁾	3	(-)	no
	$F_s \leq 150 \text{ mm}^{(2)}$	3	(-)	yes
	ignition of filter paper ⁽²⁾	3	(-)	no
ČSN EN 13823 ⁽¹⁾	FIGRA _{0,2 MJ} (W/s)	3	6,7	(-)
	LFS > edge	3	(-)	no
	THR _{600 s} (MJ)	3	0,3	(-)
	SMOGRA (m ² /s ²)	3	16,0	(-)
	TSP _{600 s} (m ²)	3	53,7	(-)
	flaming droplets / particles	3	(-)	no
ČSN EN 13823 ⁽²⁾	FIGRA _{0,2 MJ} (W/s)	1	3,0	(-)
	LFS > edge	1	(-)	no
	THR _{600 s} (MJ)	1	0,3	(-)
	SMOGRA (m ² /s ²)	1	7,0	(-)
	TSP _{600 s} (m ²)	1	37,1	(-)
	flaming droplets / particles	1	(-)	no

(-): not applicable

(1): sample tested on 31st July 2007

(2): sample tested on 16th March 2011

Test results

Test method	Parameter	Mean value		Criterion compliance
		(1)	(2)	
ČSN EN ISO 11925-2	$F_s \leq 150 \text{ mm}$	yes	yes	yes (B to D)
	ignition of filter paper	no	no	no (d0)

(1): sample tested on 31st July 2007

(2): sample tested on 16th March 2011

Test method	Parameter	Mean value		Criterion compliance
		(1)	(2)	
ČSN EN 13823	FIGRA _{0,2MJ} [W/s]	6,7	3,0	≤ 120 (B)
	THR _{600s} [MJ]	0,3	0,3	≤ 7,5 (B)
	LFS > edge	no	no	no (B)
	SMOGRA [m ² /s ²]	16,0	7,0	≤ 180 (s2)
	TSP _{600s} [m ²]	53,7	37,1	≤ 200 (s2)
	Flaming droplets / particles	no	no	no (d0)

(1): sample tested on 31st July 2007

(2): sample tested on 16th March 2011

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 EN 13501-1:2007+A1:2009.

Classification

The product *Textile product „Přihoda 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 „Přihoda 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