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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Czech Republic

Prepared by: Centrum stavebního inženýrství a.s.
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Product name: Textile product „Příhoda NMR“ / Textile product „Příhoda NMI“ / Textile product „Příhoda PMI“

Classification report No.: PK-13-033-1

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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	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 ≤ 150 mm[(1)] ignition of filter paper[(1)] *F*s ≤ 150 mm[(2)] ignition of filter paper [(2)]	6 6 6 6	yes no yes no	yes (B to D) no (d0) yes (B to D) no (d0)
ČSN EN 13823[(3)]	$FIGRA_{0,2\ MJ}$ (W/s) *LFS* < edge $THR_{600\ s}$ (MJ)	3 3 3	0 yes 0,5	≤ 120 (B) yes (B) ≤ 7,5 (B)
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	3 3	0 16,7	≤ 30 (s1) ≤ 50 (s1)
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823[(4)]	$FIGRA_{0,2\ MJ}$ (W/s) *LFS* < edge $THR_{600\ s}$ (MJ)	3 3 3	5,0 yes 0,6	≤ 120 (B) yes (B) ≤ 7,5 (B)
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	3 3	0 19,5	≤ 30 (s1) ≤ 50 (s1)
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823[(5)]	$FIGRA_{0,2\ MJ}$ (W/s) *LFS* < edge $THR_{600\ s}$ (MJ)	1 1 1	0 yes 0,6	≤ 120 (B) yes (B) ≤ 7,5 (B)
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	1 1	0 21,3	≤ 30 (s1) ≤ 50 (s1)
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823[(6)]	$FIGRA_{0,2\ MJ}$ (W/s) *LFS* < edge $THR_{600\ s}$ (MJ)	1 1 1	9,7 yes 0,7	≤ 120 (B) yes (B) ≤ 7,5 (B)
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	1 1	0 24,3	≤ 30 (s1) ≤ 50 (s1)
	flaming droplets / particles	1	no	no (d0)
ČSN EN 13823[(7)]	$FIGRA_{0,2\ MJ}$ (W/s) *LFS* < edge $THR_{600\ s}$ (MJ)	1 1 1	36,5 yes 1,0	≤ 120 (B) yes (B) ≤ 7,5 (B)
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	1 1	0 14,9	≤ 30 (s1) ≤ 50 (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

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^2
- “Příhoda NMI”
  - thickness: (0,31 - 0,45) mm
  - weight: (220 - 350) g/m^2
- “Příhoda PMI”
  - thickness: (0,30 - 0,42) mm
  - weight: (220 - 300) g/m^2

This classification is valid for the following end use conditions:

- Without backing

4. LIMITATIONS

Restrictions

This classification report is valid until 25th April 2018, 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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