



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
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Czech Republic

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

**Classification
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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

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

Hanged textile air distribution system

Description:

The product *Textile product „Příhoda NLS“* is fully described in the test reports in support of the classification listed in clause 2. The product *„Příhoda NLS“* was selected for reaction to fire tests. Product *„Příhoda PLS“* has the same composition and as the tested *„Příhoda NLS“*. The products differ only in the different air permeability.

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.	15/461/P211	ČSN EN ISO 11925-2
		15/462/P212	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	$F_s \leq 150 \text{ mm}^{(1)}$ ignition of filter paper ⁽¹⁾	6	yes	yes (B to D)
		6	no	no (d0)
	$F_s \leq 150 \text{ mm}^{(2)}$ ignition of filter paper ⁽²⁾	6	yes	yes (B to D)
		6	no	no (d0)
ČSN EN 13823	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	3	6,6	$\leq 120 \text{ (B)}$
	$LFS < \text{edge}$	3	yes	yes (B)
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	1,1	$\leq 7,5 \text{ (B)}$
	$SMOGR \text{ (m}^2/\text{s}^2)$	3	0	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	3	7,8	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	3	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+A1:2010.

Classification

The product *Textile product „Příhoda PLS“ / Textile product „Příhoda NLS“*, 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 PLS“ / Textile product „Příhoda NLS“* 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 $\leq 80 \text{ g/m}^2$

This classification is valid for the following end use conditions:

- Without substrate

4. LIMITATIONS

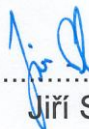
Restrictions

This classification report is valid until 12th March 2020, 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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