



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: SPM International SAS
16 rue Isabelle Eberhardt
31019 Toulouse
France

Prepared by: Centrum stavebního inženýrství a.s.
Pražská 16
102 00 Praha 10
Czech Republic

Product name: *Wall protection products based on PVC -
product family 1*

**Classification
report No.:** PK-16-135

Issue number: 1/2

Date of issue: 10th November 2016

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Address:
PRAŽSKÁ 16, 102 00 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
administered by the Municipal Court of Prague (section B, inset 1595).
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 *Wall protection products based on PVC - product family 1* is valid for the following end use application:

Wall protection products for interiors

Description:

Wall protection products based on PVC - product family 1 includes products listed in Table 1. Contact 350 and Protecta 2 were selected as the critical representative products containing the highest amount of organic matter per square meter (after application). Composition of tested products is described in the test reports in support of the classification listed in clause 2.

Table 1: Products included in the product family 1:

Product name	Composition
Contact 350	PVC
Contact 200	PVC
Contact 120	PVC
Protecta 2	PVC
Profila 50	PVC
Profila 30	PVC

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	SPM International SAS	15450 – 1/3	ČSN EN ISO 11925-2
		15450 – 2/3	
		15450 – 3/3 15808	ČSN EN 13823

Test results:

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 11925-2 ⁽¹⁾	$F_s \leq 150$ mm ignition of the filter paper	6	yes	yes (B to D)
		6	no	no (d0)
ČSN EN ISO 11925-2 ⁽²⁾	$F_s \leq 150$ mm ignition of the filter paper	6	yes	yes (B to D)
		6	no	no (d0)
ČSN EN 13823 ⁽³⁾	$FIGRA_{0,2 MJ}$ (W/s)	3	33,7	≤ 120 (B)
	$LFS < edge$	3	yes	yes (B, C)
	$THR_{600 s}$ (MJ)	3	2,7	$\leq 7,5$ (B)
	$SMOGRA$ (m^2/s^2)	3	9,9	≤ 30 (s1)
	$TSP_{600 s}$ (m^2)	3	107,3	≤ 200 (s2)
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823 ⁽⁴⁾	$FIGRA_{0,2 MJ}$ (W/s)	1	105,2	≤ 120 (B)
	$LFS < edge$	1	yes	yes (B, C)
	$THR_{600 s}$ (MJ)	1	3,8	$\leq 7,5$ (B)
	$SMOGRA$ (m^2/s^2)	1	14,8	≤ 30 (s1)
	$TSP_{600 s}$ (m^2)	1	75,3	≤ 200 (s2)
	flaming droplets / particles	1	no	no (d0)

(1): surface flame attack, exposition = 30 s (3): Contact 350
(2): edge flame attack, exposition = 30 s (4): Protecta 2

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION**Reference and direct field of application**

This classification has been carried out in accordance with the clause 11.6, 11.9.3. and 11.10.1 of ČSN EN 13501-1+A1:2010.

Classification

The product *Wall protection products based on PVC - product family 1*, 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 *Wall protection products based on PVC - product family 1* 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 also valid for the following product parameters:

- maximum thickness of protection plate: 3 mm
- maximum thickness of corner protection products: 2 mm
- maximum width of protection plate: 350 mm
- maximum wing width of corner protection: 60 mm

This classification is valid for the products listed in clause 1, Table 1

This classification is valid for the following end use conditions:

- protection elements glued or mechanically fixed on the substrates of reaction to fire class A1 or A2-s1, d0

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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Jiří Socha



Reviewed:


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Vít Slaboch
technical manager of laboratory