



Institut pro testování a certifikaci, a.s.
Divize CSI - Centrum stavebního inženýrství

Fire Technical Laboratory

**AUTHORIZED
BODY**

**NOTIFIED
BODY**

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH ČSN EN 13501-1:2019

Applicant: VEKA AG
Dieselstrasse 8
48324 Sendenhorst
Germany

Prepared by: Institut pro testování a certifikaci, a.s.
Divize CSI – Centrum stavebního
inženýrství
Pražská 16, 102 00 Praha 10
Czech Republic

Product name: *Window / door PVC profiles VEKA-
system: Perfectline, Swingline, Softline
70 AD/MD, Topline 70 AD/MD, Softline
82 AD/MD, Alphaline 90 MD*

**Classification
report No.:** PK-21-085

Issue number: 1/2

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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product, *Window / door PVC profiles VEKA-system: Perfectline, Swingline, Softline 70 AD/MD, Topline 70 AD/MD, Softline 82 AD/MD, Alphaline 90 MD*, is defined as a type of profiles for door and window systems.

Description:

The product *Window / door PVC profiles VEKA-system: Perfectline, Swingline, Softline 70 AD/MD, Topline 70 AD/MD, Softline 82 AD/MD, Alphaline 90 MD* is fully described in the test reports in support of the classification listed in clause 2. Manufacturer declares the all mentioned profile systems are composed of identical material.

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	VEKA AG	14/761/P482	ČSN EN ISO 11925-2
		14/762/P483	ČSN EN 13823

Measured values and test results:

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 11925-2	$F_s \leq 150 \text{ mm}^{(1)}$	6	yes	yes (B to D)
	ignition of the filter paper ⁽¹⁾	6	no	no (d0)
	$F_s \leq 150 \text{ mm}^{(2)}$	6	yes	yes (B to D)
	ignition of the filter paper ⁽²⁾	6	no	no (d0)
ČSN EN 13823	$FIGRA_{0,4 \text{ MJ}}$ (W/s)	3	207,9	≤ 250 (C)
	LFS > edge	3	no	no (B,C)
	$THR_{600 \text{ s}}$ (MJ)	3	9,9	≤ 15 (C)
	$SMOGRA$ (m^2/s^2)	3	42,4	≤ 180 (s2)
	$TSP_{600 \text{ s}}$ (m^2)	3	454,7	> 200 (s3)
	flaming droplets / particles	3	no	no (d0)

(1): surface flame attack, exposition = 30 s

(2): edge flame attack, exposition = 30 s

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

Reference and direct field of application

This classification has been carried out in accordance with the clause 11.5, 11.9.4 and 11.10.1 of ČSN EN 13501-1:2019.

Classification

The product *Window / door PVC profiles VEKA-system: Perfectline, Swingline, Softline 70 AD/MD, Topline 70 AD/MD, Softline 82 AD/MD, Alphaline 90 MD*, in relation to its reaction to fire behaviour is classified:

C

The additional classification in relation to smoke production is:

s3

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

d0

The format of the reaction to fire classification for *Window / door PVC profiles VEKA-system: Perfectline, Swingline, Softline 70 AD/MD, Topline 70 AD/MD, Softline 82 AD/MD, Alphaline 90 MD* is:

Fire behaviour		Smoke production				Flaming droplets	
C	-	s	3	,	d	0	

Reaction to fire classification: C-s3, d0

Field of application:

This classification is also valid for the following product parameters:

- All PVC profiles composed of identical material as tested profile Nr. 105.380 VEKA Softline 82 and with weight $\leq 2,59$ kg/m.

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:  Reviewed:


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Jiří Socha


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Vít Slaboch
head of laboratory