

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: Den Braven Czech and Slovak a.s.

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Product name: Zwaluw FP PU Foam

Classification

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This classification report consists of 4 pages and may only be used or reproduced in its entirety.

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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The classification of the product *Zwaluw FP PU Foam* is is valid for the following end use application:

Self-expanding foam for filling cavities and mounting and sealing of building products.

Description:

The product *Zwaluw FP PU Foam* 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	Den Braven Czech	13221 – 1/2	ČSN EN ISO 11925-2
laboratory	and Slovak a.s.	13221 – 2/2	ČSN EN 13823

Measured values

			Results		
Test method	Parameter	Number of test	Continuous parameter mean (m)	Compliance parameters	
ČSN EN ISO 11925-2	$Fs \le 150 \text{ mm}^{(1)}$ ignition of the filter paper	6 6	(-) (-)	yes no	
ČSN EN 13823	FIGRA _{0,2 MJ} (W/s) LFS < edge $THR_{600 s}$ (MJ)	3 3 3	0 (-) 0,6	(-) yes (-)	
	SMOGRA (m²/s²) TSP _{600 s} (m²) flaming droplets / particles	3 3 3	0 22,1 (-)	(-) (-) no	

(-): not applicable

(1): surface flame attack, 30 s exposition

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, 11.9.2 and 11.9.4 of ČSN EN 13501-1+A1:2010.

Classification

The product *Zwaluw FP PU Foam*, in relation to its reaction to fire behaviour is classified:

В

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 Zwaluw FP PU Foam is:

Fire behaviour		Smoke production			Flaming droplets	
В	ı	s	1	,	d	0

Reaction to fire classification: B-s1, d0

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Field of application

This classification is also valid for the following product parameters:

- for filling of maximum three joints of width ≤ 40 mm and depth ≤ 40 mm of total length 4 mm at the area 1,5 m².

This classification is valid for the following end use conditions:

- Foam applied to the joints in building products of reaction to fire class A1 or A2 with density at least 850 kg/m³.

4. LIMITATIONS

Restrictions

This classification report is valid until 23rd November 2021, 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.

