



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

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Product name: *BOSTIK PU FOAM FIRE RETARDANT /
BOSTIK PU GUN FOAM FIRE
RETARDANT*

**Classification
report No.:** PK-16-148

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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The classification of the product *BOSTIK PU FOAM FIRE RETARDANT / BOSTIK PU GUN FOAM FIRE RETARDANT* is valid for the following end use application:

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

Description:

The product *BOSTIK PU FOAM FIRE RETARDANT / BOSTIK PU GUN FOAM FIRE RETARDANT* 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	Den Braven Czech and Slovak a.s.	13221 – 1/2	ČSN EN ISO 11925-2
		13221 – 2/2	ČSN EN 13823

Measured values

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 11925-2	$F_s \leq 150 \text{ mm}^{(1)}$ ignition of the filter paper	6	(-)	yes
		6	(-)	no
ČSN EN 13823	$FIGRA_{0,2 \text{ MJ}}$ (W/s)	3	0	(-)
	$LFS < \text{edge}$	3	(-)	yes
	$THR_{600 \text{ s}}$ (MJ)	3	0,6	(-)
	$SMOGRA$ (m^2/s^2)	3	0	(-)
	$TSP_{600 \text{ s}}$ (m^2)	3	22,1	(-)
	flaming droplets / particles	3	(-)	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 *BOSTIK PU FOAM FIRE RETARDANT / BOSTIK PU GUN FOAM FIRE RETARDANT*, 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 *BOSTIK PU FOAM FIRE RETARDANT / BOSTIK PU GUN FOAM FIRE RETARDANT* 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:

- for filling of maximum three joints of width ≤ 40 mm and depth ≤ 40 mm of total length 4 mm at the area $1,5 \text{ m}^2$.

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/m^3 .

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.

Prepared:		Reviewed:
		
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