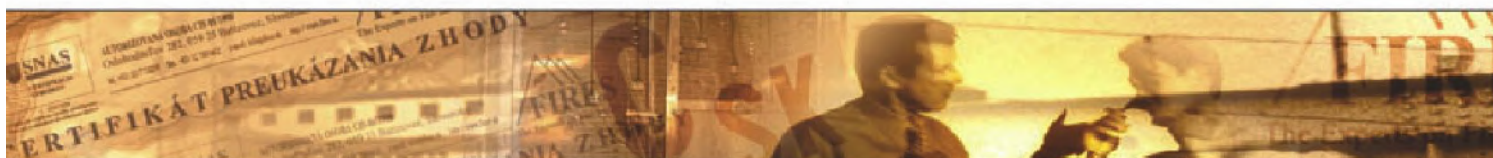


CLASSIFICATION OF FIRE RESISTANCE FIRES-CR-121-12-AUPE

Linear joint seal, type Dunafoam 1K



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CLASSIFICATION OF FIRE RESISTANCE IN ACCORDANCE WITH EN 13501-2 + A1: 2009 with direct field of application

FIRES-CR-121-12-AUPE

Name of the product: Linear joint seal, type Dunafoam 1K

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1. INTRODUCTION

This classification report defines the resistance to fire classification assigned to linear joint seal, type Dunafoam 1K in accordance with the procedures given in EN 13501-2: 2007 + A1: 2009.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

According to the sponsor definition, the product is used as linear joint seal in horizontal and vertical separating elements without movement according to ETAG N° 026 Part 3: 2008.

2.2 PRODUCT DESCRIPTION

The seal Dunafoam 1K is of symmetrical construction and it is made of polyurethane foam with fire resistance. Position: the seal fills the whole joint.

Orientation of the seal acc. to EN 1366-4, Fig. 12:

- linear joint in a horizontal construction
- horizontal linear joint in a vertical construction.

Maximum seal width: 50 mm. Seal length: without restriction. Seal depth depends on thickness of supporting construction, but minimum 150 mm. More detailed information about product is shown in test report [1].

3. TEST REPORTS IN SUPPORT OF CLASSIFICATION

3.1 TEST REPORTS

No.	Name of laboratory	Name of sponsor	Test report No.	Date of the test	Test method
[1]	FIRES s.r.o., Batizovce SR	Dunamenti Tűzvédelem Zrt. Göd, Hungary	FIRES-FR 109-08- AUNS	03.06.2008 02.07.2008	STN EN 1366-4: 2006

[1] Test specimens were conditioned according to EN 1363-1 before the fire resistance test

3.2 TEST RESULTS

No./ Test method	Parameter	Results	
[1] STN EN 1366-4 Dunafoam 1K PU foam (50 x 1000) mm in wall	applied load	--	
	supporting construction	standard rigid wall construction with thickness 150 mm and bulk density 650 kg/m ³	
	temperature curve	standard temperature time curve	
	loadbearing capacity	--	
	integrity	cotton pad	121 minutes no failure
		gap gauges	121 minutes no failure
		sustained flaming	121 minutes no failure
	thermal insulation	maximum temperature	121 minutes no failure
	radiation		--
	other parameters		symmetric construction of the seal



No./ Test method	Parameter	Results	
[1] STN EN 1366-4 Dunafoam 1K PU foam (50 x 1000) mm in floor	applied load	--	
	supporting construction	standard rigid floor construction with thickness 150 mm and bulk density 650 kg/m ³	
	temperature curve	standard temperature time curve	
	loadbearing capacity	--	
	integrity	cotton pad	121 minutes no failure
		gap gauges	121 minutes no failure
		sustained flaming	121 minutes no failure
	thermal insulation	maximum temperature	121 minutes no failure
	radiation		--
other parameters		symmetric construction of the seal; fire from below;	

[1] The tests were discontinued in 122nd minute.

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 7.5.9 of EN 13501-2 + A1: 2009.

4.2 CLASSIFICATION

Linear joint seal, type Dunafoam 1K is classified according to the following combinations of performance parameters and classes as appropriate.

<p>Fire resistance classification</p> <p><i>E 120 – T – X – F – W 00 to 50</i></p> <p><i>EI 120 – T – X – F – W 00 to 50</i></p> <p><i>E 120 – H – X – F – W 00 to 50</i></p> <p><i>EI 120 – H – X – F – W 00 to 50</i></p>
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4.3 FIELD OF APPLICATION

This classification is valid according to EN 1366-4 for the following end use applications:

Orientation	linear joint in a horizontal construction is applicable to horizontal wall joint abutting a floor, ceiling or roof;
Supporting construction	concrete, block work and masonry separating elements of minimum thickness 150 mm and minimum bulk density 650 kg/m ³ ;



5. LIMITATIONS

This classification document does not represent type approval or certification of the product.

The classification is valid provided that the product, field of application and standards and regulations are not changed.

Approved:

Ing. Štefan Rástocký
leader of the testing laboratory



Signed:

Ing. Henrieta Lapková
technician of the testing laboratory