CLASSIFICATION OF REACTION TO FIRE

IN ACCORDANCE WITH

EN 13501-1:2018

Sponsor : AFS BORU SANAYİ A.Ş.
Kuşkondu Sok. No:1 Çankaya, Ankara / TÜRKİYE

Prepared by : EFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.
Dilovası OSB Mah. Fırat Cad. No: 18
Dilovası, Kocaeli / TÜRKİYE

Product name : PVCAFS.M1

Classification Report no. : ERA – 24 – 272

Issue Number : 1/2

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This classification report consists of 5 pages and may only be used or reproduced in its entirety.

1. INTRODUCTION

This classification report defines the classification assigned to "*PVCAFS.M1"* in accordance with the procedures given in EN 13501-1:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General:

PVCAFS.M1 is defined as a "type of classified product".

2.2. Description:

PVCAFS.M1 is fully described in the test reports in support of the classification listed in clause 3.1.

Manufacturing plant: AFS BORU SANAYİ A.Ş.
İvedik O.S.B. Havalandırmacılar Cad. No: 153 Yenimahalle, Ankara / TÜRKİYE

Tested product types:

Product Name	Thickness (mm)	Mass per unit area (g/m^2)	Compound
PVCAFS.M1	0,032	340	PVC coated polyester fabric

3. REPORTS AND RESULTS IN SUPPORT OF CLASSIFICATION

3.1. Reports

Name of laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
EFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.	AFS BORU SANAYİ A.Ş.	FTST241101	TS EN 13823:2020+A1:2022
		FTST241102	TS EN ISO 11925-2:2020
		FTST241103	TS EN ISO 11925-2:2020

3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Continuous parameter mean
EN 13823+A1	$FIGRA_{0,2\ MJ}$ (W/s) $FIGRA_{0,4\ MJ}$ (W/s) LFS < edge $THR_{600\ s}$ (MJ)	3 3 3 3	39,0 27,7 Yes 1,1	(-) (-) Yes (-)
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	3 3	162,2 121,7	(-) (-)
	Flaming droplet(s)/particle (s)	3	0	None
EN ISO 11925-2 Flame application: 30 s	$F_s \leq 150$ mm(1) Ignition of filter paper(1) $F_s \leq 150$ mm(2) Ignition of filter paper(2)	6 6 6 6	Yes No Yes No	Yes No Yes No
(-): Not applicable	(1): Surface flame attack (2): Edge flame attack			

Test method	Parameter	Classification result	Compliance parameters
EN 13823+A1	$FIGRA_{0,2\ MJ}$ (W/s) LFS < edge $THR_{600\ s}$ (MJ)	39,0 Yes 1,1	≤ 120 **(B)** Yes **(B)** ≤ 7,5 **(B)**
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	162,2 121,7	≤ 180 **(s2)** ≤ 200 **(s2)**
	Flaming droplets/particles (s)	None	None **(d0)**
EN ISO 11925-2	Fs ≤ 150 mm Ignition of filter paper	Yes No	Yes **(B – D)** No **(d0)**
(-): Not applicable			

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 11.6, 11.9.3, 11.10.1 of EN 13501-1:2018.

4.2. Classification

PVCAFS.M1 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 *PVCAFS.M1* is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	2	,	d	0

Reaction to fire classification: B-s2,d0

4.3. Field of application

Product Name	Thickness (mm)	Mass per unit area (g/m^2)	Compound
PVCAFS.M1	0,032	340	PVC coated polyester fabric

The classification is valid for the following end use applications;

- Applications with no air gap between the backing plate and the specimen back surface.

5. LIMITATIONS

5.1. Restrictions

This classification document does not represent type approval or certification of the product. This classification report is valid provided that the technical specifications of product are within the limits in accordance with the field of application clause 4.3. This report is intially valid until **22nd November, 2029** providing that no significant modifications are made in technical specification of the specimen and related test and classification standards.

Signed:

e-signed

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Uğur ÇAVAŞ

Person in change of tests

Approved:

e-signed

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Ali BAYRAKTAR

Laboratory manager