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Jednostka notyfikowana nr 1488 | Członek EOTA | Certyfikaty akredytacji PCA nr: AB 023
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CLASSIFICATION REPORT
REACTION TO FIRE
according to PN-EN 13501-1+A1:2010

Contract nr: 01124/14/Z00NP

Customer:	**Mehler Texnologies GmbH** **Rheinstrasse 11** **D-41836 Huckelhoven**
Prepared by:	**Fire Research Department** **Building Research Institute** **1 Filtrowa Str.** **00-611 Warszawa**
Product name:	*Polyester fabric coated with PVC with the trade name of POLYMAR® FR 8510*
Classification report №:	**01124.1/14/Z00NPE (English version of 01124.1/14/Z00NPE**
Issue nr: 1	**Copy № 1**
Date of issue:	**2014-07-14**

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1. Introduction

This classification report defines the classification assigned to **polyester fabric coated with PVC with the trade name of POLYMAR® FR 8510** in accordance with procedures given in PN-EN 13501-1+A1:2010.

2. Details of classified product

2.1. General

The product is defined as the **polyester fabric coated with PVC with the trade name of POLYMAR® FR 8510**.

2.2 Product description

The product is described below.

Weight of polyester fabric coated with PVC with the trade name of POLYMAR® FR 8510-730 g/m^2.

The polyester fabric coated with PVC with the trade name of POLYMAR FR 8510 is produced by Mehler Texnologies GmbH.

3. Test reports and test results as a basis of the classification

3.1. Test reports

Laboratory	Customer	Test report nr	Test method
Fire Research Laboratory ITB	Mehler Texnologies GmbH	LPP01-01124/14/Z00NPE	PN-EN 13823:2010
		LPP03-01124/14/Z00NPE	PN-EN ISO 11925-2:2010

3.2. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with the parameter
PN-EN ISO 11925-2:2010 surface and edge 30 s exposure	Flame spread $F_s \leq 150$ mm	12	(–)	Y
	Flaming droplets/debris		(–)	N
PN-EN 13823:2010	FIGRA $_{0,2MJ}$ [W/s]	3	62,4	(–)
	FIGRA $_{0,4MJ}$ [W/s]		38,5	(–)
	LFS < edge		(–)	Y
	THR$_{600s}$ [MJ]		1,3	(–)
	SMOGRA [m^2/s^2]		101,9	(–)
	TSP$_{600s}$ [m^2]		131,8	(–)
	Flaming droplets/debris		(–)	N

(–) – not applicable, Y – YES, N – NO

4. Classification and the field of application

4.1. Reference of the classification

The classification has been carried out in accordance with PN-EN 13501-1+A1:2010.

4.2. Classification

The product, **polyester fabric coated with PVC with the trade name of POLYMAR® FR 8510**, 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 construction products excluding floorings and linear pipe thermal insulation products is:

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

i.e.: B-s2,d0

Reaction to fire classification: B-s2,d0

4.3   Field of application

This classification is valid for the product described in section 2.2.

This classification is valid for the following end-use applications:

- **polyester fabric coated with PVC with the trade name of POLYMAR® FR 8510** installed directly or with the air gap from substrates with a reaction to fire class A1 or A2.

5.   Limitations

This classification will be valid until:
- The test method remains unchanged,
- Product standard or technical approval remains unchanged,
- Constructional or material modifications do not exceed limits of the field of application defined in 4.3.

This classification report has been issued in three copies. Additional approved copies can be issued by Fire Research Department – Building Research Institute under the request of the report's owner only.

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

Signed

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Andrzej Kolbrecki PhD Eng.

Approved

Head of Fire Research Department

Paweł Sulik PhD Eng.
ZASTĘPCA KIEROWNIKA
Zakładu Badań Ogniowych

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