

# CLASSIFICATION REPORT

## REACTION TO FIRE

### according to PN-EN 13501-1+A1:2010

Contract №: 0783/15/Z00NP

<b>Customer:</b>	<b>Stotrop-Textil GmbH &amp; Co. KG</b> <b>Grevener Damm 93</b> <b>48282 Emsdetten</b>
<b>Prepared by:</b>	<b>Fire Research Department</b> <b>Building Research Institute</b> <b>1 Filtrowa Str.</b> <b>00-611 Warszawa</b>
<b>Product name:</b>	<i><b>Polyester fabric PES-FR-UV coated on one side with polyurethane</b></i>
<b>Classification report №:</b>	<b>0783.2/15/Z00NP</b>
<b>Issue nr: 1</b>	<b>Copy № 1</b>
<b>Date of issue:</b>	<b>2015-03-13</b>

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

#### 1. Introduction

This classification report defines the classification assigned to **polyester fabric PES-FR-UV coated on one side with polyurethane** in accordance with procedures given in PN-EN 13501-1+A1:2010.

#### 2. Details of classified product

##### 2.1. General

**Polyester fabric PES-FR-UV coated on one side with polyurethane** is used as an exhibition stand and theatre construction, inflatables, printing media.

## 2.2 Product description

The product is described below.

The surface mass of the polyester fabric PES-FR-UV coated on one side with polyurethane is 70 g/m<sup>2</sup>.

The fabric is produced by Stottrop-Textil GmbH & Co. KG.

## 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	Stottrop-Textil GmbH & Co. KG	LP02-0783/15/Z00NP	PN-EN 13823:2010
		LP05-0783/15/Z00NP	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 <sub>0,2MJ</sub> [W/s]	3	3.5	(-)
	FIGRA <sub>0,4MJ</sub> [W/s]		3.5	(-)
	LFS < edge		(-)	Y
	THR <sub>600s</sub> [MJ]		0.7	(-)
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		0.0	(-)
	TSP <sub>600s</sub> [m <sup>2</sup> ]		19.7	(-)
	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

**Polyester fabric PES-FR-UV coated on one side with polyurethane**, 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 construction products excluding floorings and linear pipe thermal insulation products is:

Fire behaviour		Smoke production			Flaming droplets	
<b>B</b>	-	<b>s</b>	<b>1</b>	,	<b>d</b>	<b>0</b>

i.e.: **B-s1,d0**

## Reaction to fire classification: B-s1,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 PES-FR-UV coated on one side with polyurethane** used directly or with an air gap between the substrates with a reaction to fire class at least A2-s1,d0.

### 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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**Approved**

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