

## CERTIFIED TRANSLATION FROM POLISH LANGUAGE

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Instytut Techniki Budowlanej [Building Research Institute]

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### REACTION TO FIRE CLASSIFICATION REPORT IN ACCORDANCE WITH PN-EN 13501-1+A1:2010

Contract no. 00739/19/Z00NZP

<b>Sponsor:</b>	Low & Bonar Poland Sp. z o.o. ul. Mikołajczyka 31 A 41-200 Sosnowiec
<b>Prepared by:</b>	Fire Research Department of the Building Research Institute ul. Filtrowa 1 00-611 Warsaw
<b>Product name:</b>	PVC-coated polyester material with the trade name VALMEX® FR 650-3
<b>Classification report no.:</b>	00739/19/Z00NZP
<b>Issue number: 1</b>	Copy no.1
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#### 1. Introduction

This classification report defines the classification assigned to PVC-coated polyester material with the trade name VALMEX® FR 650-3 in accordance with the procedures given in PN-EN 13501-1+A1:2010.

#### 2. Details of classified product

##### 2.1. General provisions

The product is used as tent roofing, textile architecture and tarpaulins for special applications.

##### 2.2. Product description

The product is described below.

Product description:

PVC-coated polyester material with the trade name VALMEX® FR 650-3.

Surface weight of the material: 650 g/m<sup>2</sup> ± 10%.

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### 3. Test reports & test results in support of classification

#### 3.1 Test reports

Name of laboratory	Name of sponsor	Test report no.	Test method
Fire Testing Laboratory of ITB	Low & Bonar Poland Sp. z o.o.	LZP02-00739/19/Z00NZP	PN-EN ISO 11925-2:2010
		LZP01-00739/19/Z00NZP	PN-EN 13823+A1:2014

#### 3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
PN-EN ISO 11925-2:2010 Fire impingement to surface and edges Exposure time: 30 s	Flame propagation F <sub>s</sub> ≤150 mm	6	(-)	Y
	Flaming droplets/particles		(-)	N
PN-EN 13823+A1:2014	FIGRA <sub>0,2MJ</sub> [W/s]	3	0,0	(-)
	FIGRA <sub>0,4MJ</sub> [W/s]		0,0	(-)
	LFS < edge		(-)	N
	THR <sub>500s</sub> [MJ]		0.3	(-)
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		131.1	(-)
	TSP <sub>600s</sub> [m <sup>2</sup> ]		81.3	(-)
	Flaming droplets/particles		(-)	N
(-): not applicable Y: Yes N: No				

### 4. Classification and field of application

#### 4.1 Reference of classification

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

#### 4.2. Classification

PVC-coated polyester material with the trade name VALMEX® FR 650-3 described in detail in section 2.2. of this classification report, 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 the presence of flaming droplets/particles is:

**d0**



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The format of classification in terms of reaction to fire for building products, with the exception of flooring and linear products for thermal insulation of ducts, is as follows:

Fire behaviour		Smoke production			Flaming droplets	
<b>B</b>	-	<b>s</b>	<b>2</b>	,	<b>d</b>	<b>0</b>

i.e.: B-s2,d0

**Reaction to fire classification: B-s2,d0**

This classification report is valid for end-use applications in accordance with the technical requirements to be met by buildings and their location, and as for "non-flammable, non-dripping and non-peeling products when exposed to fire" according to the Regulation of the Minister of Infrastructure of 12 April 2002 (Journal of Laws No. 75 of 15 June 2002, item 690, as amended) and as for a products that to not contribute to flame spread inside buildings.

### 4.3. Field of application

This classification is valid for:

- the product described in section 2.2,
- the product can be fixed to substrates and elements with reaction to fire classes A1 and A2 directly or at any distance from them

### 5 Restrictions

The classification given above remains valid as long as:

- 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 was issued in 3 copies (2 for the Client, 1 for Fire Research Department of ITB). Certified copies can be issued by Fire Research Department of ITB on the request of the report's owner only.

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

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Mariusz Żołnik

Approved by:  
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acting Head of the Fire Research Department  
Bartłomiej Papis, Eng, PhD

*I, the undersigned Sabina Siemaszko, sworn translator of English Language, hereby certify that the foregoing translation of the document from Polish language is the accurate translation of the copy of the document produced to me.  
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