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

Contract no. 00685/16/Z00NP

Sponsor:	**Vecta Design Ltd. Lao 12-6 80010 Pärnu Estonia**
Prepared by:	**Building Research Institute; 1, Filtrowa str. 00-611 Warszawa, Poland**
Product name:	**Stretch ceilings from PVC foil produced by Vecta Design Ltd.**
Classification report No.:	**0685/16/Z00NZP-E**
Issue number:	**1 (version in English) copy no.1**
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This classification report consists of three pages and enclosure and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to stretched ceilings from PVC foil produced by Vecta Design in accordance with the procedures given in PN-EN 13501-1+A1:2010 and EN 14716:2004.

2. Details of classified product

2.1 General

The product is defined as stretched celling.

2.2 Product description

The product, is described below.

Product description:

Stretch ceiling made of PVC foil.

PVC foil has following parameters:

Thickness:0,15 mm

Surface mass: 230±4,5 g/m^2.

PVC foil for stretch ceilings is produced by Vecta Design Ltd.

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	Vecta Design Ltd.	LZP01-0685/16/Z00NZP	PN-EN ISO 11925-2:2010
		LZP02-0685/16/Z00NZP	PN-EN 13823+A1:2014

3.2 Test results for stretched celling from PVC foil for stretch ceilings is produced by Vecta Design Ltd.

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
Surface and edge exposure exposure time 30 s PVC foil for stretch ceilings is produced by Vecta Design Ltd.	F_s ≤150 mm	12	(–)	Y
	Flaming Droplets/particles		(–)	N
PN-EN 13823 Sandwich panel PVC foil for stretch ceilings is produced by Vecta Design Ltd.	FIGRA $_{0,2MJ}$	3	1,2	(–)
	FIGRA $_{0,4MJ}$		1,2	(–)
	LFS < edge		(–)	Y
	THR_{600s} [MJ]		0,4	(–)
	SMOGRA [m^2/s^2]		22,6	(–)
	TSP_{600s} [m^2]		31,5	(–)
	Flaming Droplets/particles		(–)	N

(–): do not concern
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

The products, PVC foil for stretch ceilings is produced by Vecta Design Ltd., in relation to its reaction to fire behaviour are 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	**-**	**s**	**1**	**,**	**d**	**0**

i.e.: B-s1,d0

Reaction to fire classification: B-s1,d0

4.3 Field of application

This classification is valid for the following product parameters:

- plasticized PVC with composition as tested product,
- surface mass 230 g/m^2,
- thickness: 0,15 mm,
- different colours,

This classification is valid for the following substrates, fixing and air gaps:

- substrates with fire classifications A2 with air gaps 40 mm
- stretched celling with mounting system of edges with minimum force 30 daN/m of foil.

5 Limitations

This classification given 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 has been issued in two copies. Additional signed 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 type approval or certification of the product.

SIGNED **APPROVED**

Head of Fire Development
and Material Testing Division
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