



**BUILDING RESEARCH INSTITUTE**  
FIRE RESEARCH DEPARTMENT

**RESEARCH LABORATORY UNIT**

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FIRE RESEARCH LABORATORY (LP)



**REACTION TO FIRE  
CLASSIFICATION**  
**according to PN-EN 13501-1+A1:2010**

**Contract No. NP-1346/C/07/MŻ**

Customer:	Profile VOX Sp. z o.o. Sp. K. ul. Gdyńska 143 62-004 Czerwonak k/Poznania.
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Product name:	Set of PVC panelling for internal wall cladding
Classification report no.:	NP-1346.2/07/MŻ (replaces NP-1346.1/07/MŻ)
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This classification report contains four pages and a six-page Appendix, and it can only be used or copied in its entirety.

**1. Introduction**

The present classification report defines the classification granted to the set of PVC panelling for internal wall cladding in accordance with the procedures indicated in PN-EN 13501 -1+A1:2010.

**2. Detailed information about the classified product**

**2.1 General provisions**

Set of panelling made of PVC for internal wall cladding.

## 2.2 Product description

The product is described below.

### Product description:

A set of PVC panelling for internal wall cladding.

The panelling drawings are presented in Appendix no. 1.

Panelling components are installed with the use of a structure.

The panelling is produced by VOX INDUSTRIE S. A. - Profile Spółka Komandytowa.

## 3. Test reports and test results on which the classification is based

### 3.1 Test reports

Laboratory name	Customer	Report No.	Testing method
Fire Research Laboratory of ITB	VOX INDUSTRIE S. A. - Profile Spółka Komandytowa	NP-1346/23-68/07	PN-EN ISO 11925-2
		LP01-1346/C/07/MŻ	PN-EN 13823

### 3.2 Test results

Testing method	Parameter	Number of tests	Results	
			Continuous parameter - average value (m)	Conformity to the parameter
PN-EN ISO 11925-2 Fire impingement to surface and edges Exposition time 30 s	Flames propagation $F_g \leq 150$ mm	3	(-)	Y
	Burning droplets/particles		(-)	N
PN-EN 13823	FIGRA <sub>0,2MJ</sub>	(-)	171.6	(-)
	FIGRA <sub>0,4MJ</sub>		158.7	(-)
	LFS < edge		(-)	Y
	THR <sub>600s</sub> [MJ]		6.9	(-)
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		100.5	(-)
	TSP <sub>600s</sub> [m <sup>4</sup> ]		169.9	(-)
	Burning droplets/particles		(-)	N
(-): not applicable Y: YES N: NO				

## 4 Classification and its scope of application

### 4.1 Classification reference

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

### 4.2 Classification

The set of PVC panelling for internal wall cladding has been granted the following classification in regard to its reaction to fire:

**C**

The additional classification of the product with regard to smoke emission:

**s3**

The additional classification of the product with regard to presence of burning droplets/particles:

**d0**

The following format of fire classification is used for building products, with the exception of flooring and linear products for thermal insulation of cables:

Fire properties		Smoke emission			Burning droplets	
<b>C</b>	-	<b>s</b>	<b>3</b>	,	<b>d</b>	<b>0</b>

i.e.: **C-s3,d0**

## Reaction to fire classification: **C-s3,d0**

This classification is valid for final applications according to the technical conditions for buildings and their locations, as well as for products which are „fireproof, non-dripping and non-detachable under the influence of fire” and for products which „do not propagate fire inside buildings” according to the Act of the Minister of Infrastructure of 12 April 2002 (Journal of Laws No. 75 of 15 June 2002, item 690 as amended).

### **4.3 Scope of application**

The present classification is valid for the following parameters defining the product:

- The set of PVC panelling as described in section 2.2 of the present classification report and in Appendix no. 1 to the present classification report.
- Cladding thickness  $\leq 8$  mm,
- The set of PVC panelling as described in section 2.2 of the present classification report and in Appendix no. 1 to the present classification report for internal wall cladding can be attached directly to supports of Euroclass A1 or A2 or to a structure made of wooden or wood-based battens. The panelling components are fastened mechanically with staples.

### **5 Restrictions**

The classification remains valid as long as:

- the method of testing remains unchanged,
- the product standard or technical approval remains unchanged, and the structural or material changes do not exceed the limits of the area of application indicated in section 4.3.

The present classification report has been issued in duplicate. Certified copies of the report can be issued by the Fire Research Department of ITB exclusively upon the request by the report Owner.

This classification document does not constitute a product approval or certification.

#### **Signed by**

Bartłomiej Papis, MSc Eng  
Andrzej Kolbrecki, PhD Eng

#### **Approved by**

Head of the Fire Research Department  
Andrzej Borowy, PhD

**Appendix no. 1 to the Classification Report NP-1346.2/07/MŽ**

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