



## CLASSIFICATION REPORT REACTION TO FIRE according to EN 13501-1:2018

Contract №: 00545/20/Z00NZP

<b>Customer:</b>	<b>Riflex Film AB Ekenasvagen 4, Box 521 372 73 Ronneby Sweden</b>
<b>Prepared by:</b>	<b>Fire Research Department Building Research Institute 1 Filtrowa Str. 00-611 Warszawa</b>
<b>Product name:</b>	<b><i>PVC foil Riflex 1810</i></b>
<b>Classification report №:</b>	<b>00545.2/20/Z00NZPE</b>
<b>Issue nr: 1</b>	<b>Copy № 3</b>
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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 **PVC foil Riflex 1810** in accordance with procedures given in EN 13501-1:2018.

### 2. Details of classified product

#### 2.1. General

**PVC foil Riflex 1810** used as wall covering.

#### 2.1 Product description

The product is described below.

**PVC foil Riflex 1810** – thickness of 300 µm, density of 1.38 kg/m<sup>3</sup>.

Foil is produced by the company Riflex Film AB.

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

#### 3.1. Test reports

Laboratory	Customer	Test report nr	Test method
Fire Testing Laboratory Building Research Institute	Riflex Film AB	LZP04-00545/20/Z00NZPE	EN ISO 11925-2:2010
		LZP03-00545/20/Z00NZPE	EN 13823:2010+A1:2014

#### 3.2. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with the parameter
EN ISO 11925-2:2010 30 s exposure Surface and edge exposure	Flame propagation $F_s \leq 150$ mm	6	(–)	Y
	Flaming droplets/particles		(–)	N
EN 13823+A1:2014	FIGRA <sub>0,2MJ</sub> [W/s]	3	0.9	(–)
	FIGRA <sub>0,4MJ</sub> [W/s]		0.9	(–)
	LFS < edge		(–)	T
	THR <sub>600s</sub> [MJ]		0.2	(–)
	SMOGR <sub>A</sub> [m <sup>2</sup> /s <sup>2</sup> ]		41.0	(–)
	TSP <sub>600s</sub> [m <sup>2</sup> ]		32.4	(–)
	Flaming droplets/particles		(–)	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 EN 13501-1:2018.

#### 4.2. Classification

Products, **PVC foil Riflex 1810**, in relation to their reaction to fire behaviour are 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>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**

### 4.3 Field of application

This classification is valid for the following parameters: **PVC foil Reflex 1810** described in section 2.

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

- **PVC foil Reflex 1810** installed directly on a substrates or with an air gap from the gypsum plasterboard substrates or substrates with a reaction to fire class at least A2-s3,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 3 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**

Katarzyna Kaczorek-Chrobak MPhil Eng.

**Approved**

**HEAD**  
of Fire Research Department

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