Instytut Techniki Budowlanej
Research and development works | Accredited Group of Laboratories |
Notified Body N° 1488 | EOTA member | Certified management systems ISO 9001, ISO 27001

# CLASSIFICATION REPORT
# REACTION TO FIRE
# according to PN-EN 13501-1:2019-02

Contract №: 01200/21/Z00NZP

| | |
|---|---|
| **Customer:** | **Deceuninck Poland Sp. z o.o.**<br>**Jasin, ul. Poznańska 34**<br>**62-020 Swarzędz** |
| **Prepared by:** | **Fire Research Department**<br>**Building Research Institute**<br>**1 Filtrowa Str.**<br>**00-611 Warszawa** |
| **Product name:** | Window and door profiles made of PVC Deceuninck Elegant |
| **Classification report №:** | **01200/21/Z00NZP-ENG**<br>(English version of classification 01200/21/Z00NZP) |
| **Issue number: 1** | **Copy № 1** |
| **Date of issue:** | **07.06.2022** |

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

## 1. Introduction

This classification report defines the classification assigned to window and door profiles made of PVC Deceuninck Elegant in accordance with procedures given in PN-EN 13501-1:2019-02.

## 2. Details of classified product

### 2.1 General

The product is used for the production of PVC windows and external doors.

### 2.2 Product description

The product is described below

| |
|---|
| Window and door profiles made of PVC Deceuninck Elegant.<br>Drawings of window and door elements and profiles are given in Appendix No. 1. |

## 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 | Deceuninck Poland Sp. z o.o. | LZP03-01200/21/Z00NZP | PN-EN ISO 11925-2:2020-09 |
| | | LZP04-01200/21/Z00NZP | PN-EN ISO 11925-2:2020-09 |
| | | LZP03-01044/22/R25NZP | PN-EN ISO 11925-2:2020-09 |
| | | LZP04-01044/22/R25NZP | PN-EN ISO 11925-2:2020-09 |
| | | LZP01-01200/21/Z00NZP | PN-EN 13823+A1:2014 |
| | | LZP02-01200/21/Z00NZP | PN-EN 13823+A1:2014 |
| | | LZP01-01044/22/R25NZP | PN-EN 13823+A1:2014 |
| | | LZP02-01044/22/R25NZP | PN-EN 13823+A1:2014 |

### 3.2. Test results

| Test method | Parameter | Number of tests | Results | |
|---|---|---|---|---|
| | | | Continuous parameter – mean (m) | Compliance with the parameter |
| LZP03-01200/21/Z00NZP | | | | |
| PN-EN ISO 11925-2:2020-09 Surface and edge effects of the flame Exposure 30 s (Profile 5137) | Flame propagation $F_s$ ≤150 mm | 6 | (–) | Y |
| | Flaming droplets/particles | | (–) | N |
| LZP04-01200/21/Z00NZP | | | | |
| PN-EN ISO 11925-2:2020-09 Surface and edge effects of the flame Exposure 30 s (Profile 5152) | Flame propagation $F_s$ ≤150 mm | 6 | (–) | Y |
| | Flaming droplets/particles | | (–) | N |
| LZP03-01044/22/R25NZP | | | | |
| PN-EN ISO 11925-2:2020-09 Surface and edge effects of the flame Exposure 30 s (Profile 5115) | Flame propagation $F_s$ ≤150 mm | 6 | (–) | Y |
| | Flaming droplets/particles | | (–) | N |
| LZP04-01044/22/R25NZP | | | | |
| PN-EN ISO 11925-2:2020-09 Surface and edge effects of the flame Exposure 30 s (Profile 5116) | Flame propagation $F_s$ ≤150 mm | 6 | (–) | Y |
| | Flaming droplets/particles | | (–) | N |
| LZP01-01200/21/Z00NZP | | | | |
| PN-EN 13823+A1:2014 (Profile 5137) | FIGRA $_{0,2MJ}$ [W/s] | 3 | 55,1 | (–) |
| | FIGRA $_{0,4MJ}$ [W/s] | | 50,7 | (–) |
| | LFS < edge | | (–) | N |
| | $THR_{600s}$ [MJ] | | 5,2 | (–) |
| | SMOGRA [$m^2/s^2$] | | 72,8 | (–) |
| | $TSP_{600s}$ [$m^2$] | | 695,3 | (–) |
| | Flaming droplets/particles | | (–) | N |

| | | | | |
|---|---|---|---|---|
| LZP02-01200/21/Z00NZP | | | | |
| PN-EN 13823+A1:2014 (Profile 5152) | FIGRA $_{0,2MJ}$ [W/s] | 3 | 52,5 | (–) |
| | FIGRA $_{0,4MJ}$ [W/s] | | 45,9 | (–) |
| | LFS < edge | | (–) | N |
| | THR$_{600s}$ [MJ] | | 5,2 | (–) |
| | SMOGRA [m$^2$/s$^2$] | | 77,4 | (–) |
| | TSP$_{600s}$ [m$^2$] | | 668,2 | (–) |
| | Flaming droplets/particles | | (–) | N |
| LZP01-01044/22/R25NZP | | | | |
| PN-EN 13823+A1:2014 (Profile 5115) | FIGRA $_{0,2MJ}$ [W/s] | 3 | 73,4 | (–) |
| | FIGRA $_{0,4MJ}$ [W/s] | | 62,8 | (–) |
| | LFS < edge | | (–) | N |
| | THR$_{600s}$ [MJ] | | 4,8 | (–) |
| | SMOGRA [m$^2$/s$^2$] | | 64,0 | (–) |
| | TSP$_{600s}$ [m$^2$] | | 532,7 | (–) |
| | Flaming droplets/particles | | (–) | N |
| LZP02-01044/22/R25NZP | | | | |
| PN-EN 13823+A1:2014 (Profile 5116) | FIGRA $_{0,2MJ}$ [W/s] | 3 | 74,2 | (–) |
| | FIGRA $_{0,4MJ}$ [W/s] | | 72,0 | (–) |
| | LFS < edge | | (–) | N |
| | THR$_{600s}$ [MJ] | | 7,1 | (–) |
| | SMOGRA [m$^2$/s$^2$] | | 51,8 | (–) |
| | TSP$_{600s}$ [m$^2$] | | 638,0 | (–) |
| | Flaming droplets/particles | | (–) | N |
| (–): not applicable,<br>Y: Yes,<br>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 13501-1:2019-02.

### 4.2. Classification

Product, window and door profiles made of PVC Deceuninck Elegant described in point 2 of this classification report and in the appendix to this classification report in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s3**

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** | **3** | **,** | **d** | **0** |

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

# Reaction to fire classification: B-s3,d0

This classification is valid for end uses according to the technical conditions to be met by buildings and their location and as for the product "non-flammable, non-drip and not falling under fire" and as for the product "non-spreading fire" inside buildings according to the Regulation of the Minister of Infrastructure of April 12, 2002 (Journal of Laws No. 75 of 15 June 2002, item 690 with later changes). At the same time, the product is assessed as not falling off under the influence of fire.

### 4.3 Field of application

This classification applies to window and door profiles made of PVC Deceuninck Elegant described in point 2 of this classification report and in the appendix to this classification report, fixed to substrates and elements with reaction to fire classes A1 and A2.

### 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**

Mariusz Żołnik

**Approved**

HEAD
of Fire Research Department
Bartłomiej Papis, PhD Eng.