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Declaration of Performance

Document No.: DoP_FSV-MARC-EI120#12345678

1. **Unique Product Identification Code:** Fire PROtec EI 120 Sa S200 MARC - SN: xxx

2. **Intended Use:** Self-closing, space enclosure textile fire curtain with insulating function for reveal and wall-mounting, smoke control S200

3. **Manufacturer:** SIMON PROtec Systems GmbH

   Manufacturer address: Medienstraße 8
   D-94036 Passau
   Germany

4. **System assessment:** System 1 | System 3

5. **Notified body:** CTO S.A.
   Notified Body Number: 2434
   EC Certificate Number: 2434-CPR-0110
   Harmonized Standard: EN 16034:2014 | EN 13241:2003+A2:2016

6. **Declaration of Performance:**

Essential Characters:	**Declared Performance:**
Max. clear opening	18000 x 10000 mm*
	EN 16034:2014
Resistance to fire	EI_2 120 EW 120
	Sa S200*
Ability to release	released
Self-Closing	C
Durability of ability to release	Release maintained
Durability of self-closing - against degradation (cycles) - against ageing (corrosion)	2 (achieved)

The performance of the product identified in point 1 is in conformity with the declared performances in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

* The maximum clear opening only applies to EI 120 without smoke protection. For systems with Sa or S200, the clear opening is limited. See also the guidelines on page 3.

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CTO S.A.
Notified Body No. 2434

CENTRUM TECHNIKI OKRĘTOWEJ S.A.
PRODUCT CERTIFICATION DIVISION

PCA
POLSKIE CENTRUM AKREDYTACJI
CERTYFIKACJA WYROBÓW
AC 170

CERTIFICATE OF CONSTANCY OF PERFORMANCE
2434-CPR-0109

In compliance with Regulation(EU) No. 305/2011 of the European Parliament and of the Council of 9th March 2011 (the Construction products Regulation or CPR) as amended, this Certificate applies to the construction product:

Fire resistant and smoke control rolling shutter, type Fire PROtec-EI MARC

in fire resistance class, acc. to PN-EN 13501-2:2016

$EI_1$60, $EI_2$120, EW120

In smoke control classes, acc. To PN-EN 13501-2:2016

S_a, S_{200}

placed on the market under the name or trade mark of :

SIMON PROtec Systems GmbH
Medienstrasse 8
94036 Passau, Germany

and produced in the manufacturing plant:

616-001

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard:

EN 16034:2014

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

The product is also covered by EN 13241:2003+A2:2016 standard as part of system 3 of assessment and verification of constancy of performance.

This certificate was first issued on 17.04.2020, was amended on 09.03.2022 and will remain valid as long as neither the harmonised standard, the construction product, the assessment and verification of constancy of performance methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.

Zuzanna Andrzejewska
Zuzanna Andrzejewska
Head of the Product Certification Division of CTO S.A.

Gdańsk, 09.03.2022

Certificate of Performance Constancy No. 2434-CPR-0109 issued on 09.03.2022

Product performance characteristics: fire resistant rolling shutter, type Fire PROtec-EI MARC

Essential characteristics	Requirements of EN 16034:2014 standard	Level, class and/or description
Resistance to fire	4.1	**$EI_1$60, $EI_2$120, EW120**
Smoke control	4.2	S_a, S_{200}
Ability to release	4.3	released
Self-closing	4.4	C
Durability to ability to release	4.5.1	release maintained
Durability of self-closing against degradation	4.5.2.1	category of use 2
Durability of self-closing against ageing (corrosion)	4.5.2.2	achieved

The performance characteristics, resulting from EN 13241:2003+A2:2016 harmonised standard, which are subject of the system of assessment and verification of constancy of performance 3, shall be obtained from the product manufacturer's declaration of performance.

Product description:

A fire resistant rolling shutter of Fire PROtec-EI MARC **$EI_1$60/$EI_2$120/EW120** type with maximum dimensions: width 18m, height 10 m, consists of the following elements: a rolling shutter jacket, a winding shaft, winding shaft supports, guides, a ballast strip, a drive system.

A fire resistant and smoke control rolling shutter with maximum dimensions:

- 2 x high + width ≤ 15,08 m (in the clear of the frame), (Sa, pressure 10 Pa),
- 2 x high + width ≤ 8,46 m (in the clear of the frame), (Sa, pressure 25 Pa),
- width 2850mm, height 2325 mm (S_{200}, pressure 10, 25 and 50 Pa)

consists of the elements listed above. In addition, the edges of the shaft casing gap, through which the curtain jacket passes and the curtain guides are protected by seals.

The rolling shutter jacket consists of five layers, including two identical external layers (FM1D), two internal layers (MH-6) and a middle layer (FM2D). The particular parts of the materials are sewn together with Dg thread.

The upper edge of the rolling shutter jacket is attached to the winding shaft, made of a steel tube. The external layers of the jacket, along its lower edge, are connected with each other with MARTEX-00/MARC-00 material, with a ballast of the rolling shutter inside, made of a steel bar. The guides are made of galvanised steel sheet and protected with fire-resistant plates.

The rolling shutter opening is driven by a tubular motor or an external driving system.

The rolling shutter control is provided by a control centre.

Detailed technical parameters and final classification conditions, acc. to PN-EN 13501-2:2016 standard, are provided in Classification Report No. LBO-1207.1-K/19 of 25th March 2019 and LBO-124.1-KD/21 of 09th July 2021.

Assembly:

A standard rigid fixing structure of high or low density.

Intended use:

To be used as a vertical, mobile partition to close the passage between fire separation zones at industrial premises and public buildings.