

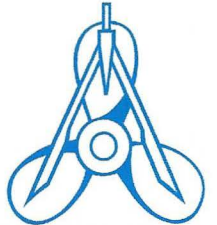
1. **Kenncode des Produkttyps:** Fire PROtec EI 120 Sa S200 MARC - SN: xx
2. **Verwendungszweck:** Selbstschließender, rauchdichter und textil raumabschließender Feuerschutzabschluss mit isolierender Wirkung für Laibungs- und Wandmontage
3. **Hersteller:** SIMON PROtec Systems GmbH
 Herstelleradresse: Medienstraße 8
 D-94036 Passau
 Germany
4. **System der Leistungsbeständigkeit:** System 1 | System 3
5. **Notifizierte Stelle:** CTO S.A.
Nummer der notifizierten Stelle: 2434
Nr. der Leistungsbeständigkeit: 2434-CPR-0110
Harmonisierte Produktnorm: EN 16034:2014 | EN 13241:2003+A2:2016

6. **Leistungserklärung:**

Wesentliche Merkmale:	Leistung:
max. lichte Öffnung	18000 x 10000 mm*
	EN 16034:2014
Feuerwiderstand	EI ₂ 120 EW 120
Smoke Control	Sa S200*
Fähigkeit zur Freigabe	Freigegeben
Selbstschließung	C
Dauerhaftigkeit der Fähigkeit zur Freigabe	Freigabe aufrechterhalten
Dauerhaftigkeit der Selbstschließung - gegenüber Qualitätsverlust (Dauerfunktion) - gegenüber Alterung (Korrosion)	2 (erzielt)

Die Leistung des Produkts gemäß den Nummern 1 entspricht der erklärten Leistung nach Nummer 6. Verantwortlich für die Erstellung dieser Leistungserklärung ist allein der Hersteller gemäß Nummer 3.

* Die maximale lichte Öffnung gilt nur für EI 120 ohne Rauchschutz. Für Systeme mit Sa oder S200 ist die lichte Öffnung eingeschränkt. Siehe dazu die Vorgaben auf Seite 3.



CTO S.A.

Notified Body No. 2434

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Product Certification Division
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CENTRUM TECHNIKI OKRĘTOWEJ S.A.

PRODUCT CERTIFICATION DIVISION



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

EI₁60, EI₂120, EW120

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

S_a, S₂₀₀

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

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

Gdańsk, 09.03.2022

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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	EI₁60, EI₂120, 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 **EI₁60/EI₂120/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), (S_a, pressure 10 Pa),
- 2 x high + width ≤ 8,46 m (in the clear of the frame), (S_a, pressure 25 Pa),
- width 2850mm, height 2325 mm (S₂₀₀, 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.