

1. **Unique Product Identification Code:** Fire PROtec EI 60 MARC - SN: 123456789
2. **Intended Use:** Self-closing, space enclosure textile fire curtain with insulating function for reveal and wall-mounting
3. **Manufacturer:** SIMON PROtec Systems GmbH
Manufacturer address: Medienstraße 8
D-94036 Passau
Germany
4. **System assessment:** System 1
5. **Notified body:** CTO S.A.
Notified Body Number: 2434
EC Certificate Number: 2434-CPR-0110
Harmonized Standard: EN 16034:2014
6. **Declaration of Performance:**

Essential Characters:	Declared Performance:
Clear opening	12000 x 10000 mm
Resistance to fire	EI 60 EW 120
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.



Notified Body No. 2434

Centrum Techniki Okrętowej S.A.
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CENTRUM TECHNIKI OKRĘTOWEJ S.A.
PRODUCT CERTIFICATION DIVISION



AC 170

CERTIFICATE OF CONSTANCY OF PERFORMANCE

2434-CPR-0110

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 rolling shutter, type Fire PROtec-EI MARC

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

EI₁₄₅, EI₁₆₀, EW₁₂₀

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 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.

Magdalena Laskowska

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

Gdańsk, 17.04.2020

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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	EI ₁ 45, EI ₂ 60, EW120
Smoke control	4.2	NPD
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 EI₁45/EI₂60/EW120 type consists of the following elements: a rolling shutter jacket, a winding shaft, winding shaft supports, guides, a load of the bottom edge, a drive system.

The maximum dimensions of rolling shutter of Fire PROtec-EI MARC EI₁45/EI₂60/EW120 type: 10 m of height, 16 m of width.

The rolling shutter jacket consists of three layers, including two identical external layers (FM1D) and an internal layer (MH-6). 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 through a steel flat bar. The external layers of the jacket, along its lower edge, are connected with each other with MARTEX-00/MARC-00 material, to each of the external layer a load of the rolling shutter lower edge made of steel flat bar is mounted. 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-905-K/19 of 05th September 2019, issued by Zespół Laboratoriów Badawczych Gryfitlab.

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.