

CERTIFICATE OF CONSTANCY OF PERFORMANCE 2775-CPR-019-1

In accordance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 this certificate applies to the construction product:

**RGT EI(1) 45 - EI(2) 60 - EW 120
& RGT EI(1) 60 - EI(2) 120 - EW 120**

The **RGT EI(1) 45 & RGT EI(1) 60** fire and smoke-resistant curtain door, with fire resistance ratings of **EI₂60** and **EI₂120**, as well as a fire-rated version with **EI₂90** fire resistance, in accordance with EN 13501-2:2023, is designed for use as closures for openings in both external and internal building partitions. Detailed specifications have been provided in the table on p. 2

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

MetacoN-Next BV

Zuidbaan 450, 2841 MD Moordrecht

and manufactured in the production plant(s):

CODE: 59048124

This certificate confirms that all regulations regarding the assessment and verification of constancy of performance described in Annex ZA of standard **EN 16034:2014** have been met and verified under system 1 for the assessment of constancy of performance specified in this certificate. It also confirms that the manufacturer has implemented a factory production control system to ensure that their constancy is maintained.

The product standard **EN 16034:2014** is to be applied by the manufacturer in conjunction with the product standard **EN 13241:2003 +A2:2016** as part of system 3 of assessment and verification of constancy of performance.

This certificate was first issued on **12 December 2024** and remains valid as long as neither a harmonised standard, the construction product, AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The certificate can only be published by the Holder of the Certificate and only in its entirety.

Signed by:

DIRECTOR
OF THE CENTRE OF CERTIFICATION at SITB sp. z o.o.

dr inż. Witold POKORA



CERTIFICATE OF CONSTANCY OF PERFORMANCE

2775-CPR-019-1

Product performance:

RGT EI(1) 45 - EI(2) 60 - EW 120 & RGT EI(1) 60 - EI(2) 120 - EW 120

Essential characteristics – EN 16034:14 standard requirements			
No.	Characteristic	Classification/value	Classification standard
4.1	Fire resistance	EI ₁ 45, EI ₂ 60, EW120; EI ₁ 60, EI ₂ 90 and EW120 EI ₁ 60, EI ₂ 120 and EW120	EN 13501-2:2023
4.2	Smoke control performance ¹	S _a , S ₂₀₀	EN 13501-2:2023
4.3	Ability to release	Released/met	EN 16034:14
4.4	Self-closing ability	C	EN 16034:14
4.5.1	Durability of ability to release	Release retained/met	EN 16034:14
4.5.2.1	Durability of self-closing ability against degradation	Use class 2	EN 16034:14
4.5.2.2	Durability of self-closing ability against aging	Achieved/met	EN 16034:14
4.2.4	Mechanical strength	met	EN 13241:2003+A2:2016
4.2.8	Safe opening	met	EN 13241:2003+A2:2016
4.3.3	Forces applied	met	EN 13241:2003+A2:2016
4.4.3	Wind load resistance [class]	2	EN 13241:2003+A2:2016
NA	Width x Height [mm] ³	18 000 ² x 10 000	NA

¹⁾ does not apply to the RGT version with EI₂90 fire resistance

²⁾ 16,000 for the RGT version with EI₂60 fire resistance

³⁾ a 15% adjustment in dimensions (width and height) is permitted, but the surface area must not change by more than 20%

The RGT fire-resistant curtain doors have a multi-layered construction, and the number and type of layers used vary depending on the fire resistance.

The cover of the

- The RGT curtain door with a fire resistance of EI₂60 consists of three layers: two identical outer layers of type FM1D and an inner layer of type MH-6. The total thickness of the cover is approximately 10 mm,
- The RGT curtain door with a fire resistance of EI₂90 consists of five layers: two identical outer layers of type FM1D, two inner (side) layers of type MH-6, and an inner central layer of type FM2D. The total thickness of the cover is approximately 18 mm,
- The RGT curtain door with a fire resistance of EI₂120 consists of five layers: two identical outer layers of type FM1D, two inner (side) layers of type MH-6, and an inner central layer of type FM2D with alternately sewn strips of material type FM1D. The total thickness of the cover is approximately 20 mm.

Steel guides are mounted on the vertical edges of the cover, at intervals of ~ 500 mm. Inside the cover, in its lower parts, there is a ballast rod with a diameter of Ø30 or Ø50 mm.

The curtain door winding shaft of the RGT type is made of a steel tube with a diameter ranging from 88.9 mm to 813.0 mm. It is suspended on two steel supports. On one end, it is finished with a steel pin with a diameter of 20 to 80 mm. On the other end a drive mechanism is mounted.

The doors can be equipped with VIC-type tubular drives (internal or external).

The tubular drive is set inside the shaft while the external drive is mounted outside the cassette, by means of a chain transmission.

For doors wider than 2 500 mm, a grid structure may be used for reinforcement. The winding shaft, along with the brackets and grid structure (if present), is covered with panels made of sheet metal with a thickness of 0.7 – 1.0 mm.

In the case of the RGT EI120/EW120 curtain door, fire-resistant panels of type I25 are installed inside the covers.

The RGT curtain doors are equipped with a set of two guides. Each guide consists of a wall section and a centre section made of 2.0 mm (wall section) and 1.5 mm (centre section) thick steel sheet. The steel components are protected with two fireproof plates with a thickness of 10 mm and 15 mm. The entire guide is covered by a panel made of 0.7 mm thick steel sheet. Depending on the size of the door, the guides may have cross-sectional dimensions of 80 x 120 mm or 80 x 140 mm.



CERTIFICATE OF CONSTANCY OF PERFORMANCE

2775-CPR-019-1

All the steel components of the door can be made of DX51D+Z grade steel, S235JR steel or stainless steel 1.4301, 1.4307, 1.4401, 1.4404.

Doors with a width and height not exceeding 2 500 mm may be equipped with a thermal fuse.

The doors can be equipped with an electric SB-T1 type safety strip.

The RGT fire-resistant curtain doors are designed for installation in walls (mounting structures) with a fire resistance class equal to or greater than the fire resistance of the door itself, of the following types:

- standard rigid mounting structure with high or low density – minimum thickness of 150 mm,
- standard flexible mounting structure – (C-shaped posts and U-shaped top rails made of steel with a minimum thickness of 1.5 mm, faced on both sides with a minimum of two (per side) F-type plasterboards, each with a minimum thickness of 12.5 mm),
- a modified (reinforced) flexible mounting structure – provided that the strength of the substructure in terms of fixing techniques is not reduced and the load-bearing capacity and rigidity of the substructure correspond to all structural requirements.

The RGT fire-resistant curtain doors can be mounted on a wall, in an opening (corridor mounting) or inside a structure.

Signed by:

DIRECTOR
OF THE CENTRE OF CERTIFICATION at SITB sp. z o.o.

dr inż. Witold POKORA



OC SITB