



Own production



100% tested



High quality



International



Modern design



Easy to assemble

## Metacon-Next is your leading manufacturer of fire rated doors.

An extensive worldwide network of independent dealers supplies and installs our quality doors. The company was created by a merger between Metaalwarenfabriek Metacon and Next Door Systems. Divided over 2 production locations, in Moordrecht and Emmeloord, the doors are custom-made and delivered to dealers. The doors are developed by our own R&D department, based on the wishes of the market and of course according to the most recent requirements. We distinguish ourselves through the large certified product range and we are highly motivated and ambitious to expand this further. Our mission is to guarantee the fire safety of buildings and its users. We achieve this by supplying high-quality products, which are easy to assemble, at competitive prices. Personal and good advice on application and substrate is also necessary. We distinguish ourselves in this and enable us - and you as dealer - to offer a suitable solution for every fire situation.

## Metacon-Next opts for Green Corporate Social Responsibility.

Not only the choice of using green electricity helps, but also the 2.000 solar panels on our roof. This enables us to reduce CO2 emissions to a minimum. With the introduction of our new product line of doors based on fire-resistant composite material, the cradle-to-cradle principle is applied. In this way we contribute to and engage in corporate social responsibility.

## Quality standards



All our products are tested, classified and marked according to the most recent regulations within the European Union.



4	Roller curtains (EW)	18	Hinged doors (EI & EW)
6	Roller curtains (EI)	20	CE certification
8	Roller shutters (EW)	21	Declaration of Performance
10	Roller shutters (EI)	22	Gravity closure of doors
12	Sectional doors (EI & EW)	23	Explanation of terms
14	Sectional doors (specials)	24	Matrix
16	Sliding doors (EI & EW)	26	Notes



From left to right: René van den Berghe, Jaap Aardema, Jan Schellekens, Sander van Winden, Bob Vink, Michel Paans, Cristiano Valsania, Klaas Mulder



# Fire rated roller curtains

## RGT EW 60 Compact

### Certification

- tested, on both sides, in accordance with EN 1634-1
- classified according to EN 13501-2
- curtain classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C2 (10.000 movements)
- CE marked in accordance with EN 13241 and EN 16034

### Application

- only suitable for indoor / indoor situations (wind class 0) without high underpressure or overpressure
- only to be used in case of calamity ('waiting' door)
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction, metal stud wall 0,8 mm

### Standard

- gravity failsafe tubular motor 230 V incl. control box
- optical / acoustic signaling
- galvanized steel side guides and cover box

### Options

- emergency battery (UPS) for maintaining open position in the event of a power failure
- galvanized steel parts powder coated in RAL color of choice
- smoke detector for a stand-alone system
- key switch



classification	fire resistance	max. width	max. height	max. opening
EW	60 minutes	8.000 mm	8.000 mm	64 m <sup>2</sup>

Due to continuous product development, we ask you to contact us for the current dimensions.  
Larger dimensions on request.

## RGT EW 60 & RGT EW 90

### Certification

- tested, on both sides, in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (10.000 movements)
- CE marked in accordance with EN 13241 and EN 16034

### Application

- only suitable for indoor / indoor situations (wind class 0) without high underpressure or overpressure
- only to be used in case of calamity ('waiting' door)
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction, metal stud wall 0,8 mm

### Standard

- gravity failsafe tubular motor 230 V incl. control box
- optical / acoustic signaling
- galvanized steel side guides and cover box

### Options

- emergency battery (UPS) for maintaining open position in the event of a power failure
- galvanized steel parts powder coated in RAL color of choice
- visible parts side guides and cover box in stainless steel 304
- chamfered construction on top of cover box
- smoke detector for a stand-alone system
- key switch



classification	fire resistance	max. width	max. height	max. opening
EW	60 minutes	8.000 mm	8.000 mm	48 m <sup>2</sup>
EW	90 minutes	4.500 mm	4.500 mm	18,5 m <sup>2</sup>

Due to continuous product development, we ask you to contact us for the current dimensions.  
Larger dimensions on request.

# Fire rated roller curtains

## RGT EI(1) 45 / EI(2) 60 / EW 120

### Certification

- tested, on both sides, in accordance with EN 1634-1 and EN 1634-3
- classified according to EN 13501-2
- validated cycle test in accordance with C0
- CE marked in accordance with EN 13241 and EN 16034

### Application

- only suitable for indoor / indoor situations (wind class 0) without high underpressure or overpressure
- only to be used in case of calamity ('waiting' door)
- mounting possible on and in the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry

### Standard

- gravity failsafe tubular motor 230 V incl. control box (till ± 26 m<sup>2</sup>)
- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery (if opening > ± 26 m<sup>2</sup>)
- optical / acoustic signaling
- galvanized steel side guides and cover box

### Options

- smoke resistant according Sa (till ± 9 m<sup>2</sup>) and S200 (till ± 6 m<sup>2</sup>)
- emergency battery (UPS) for maintaining open position in the event of a power failure
- galvanized steel parts powder coated in RAL color of choice
- smoke detector for a stand-alone system
- key switch



classification	fire resistance	max. width	max. height	max. opening
EI(1)	45 minutes	16.000 mm	10.000 mm	160 m <sup>2</sup>
EI(2)	60 minutes	16.000 mm	10.000 mm	160 m <sup>2</sup>
EW	120 minutes	16.000 mm	10.000 mm	160 m <sup>2</sup>

Due to continuous product development, we ask you to contact us for the current dimensions.  
Larger dimensions on request.

## RGT EI(1) 60 / EI(2) 120 / EW 120

### Certification

- tested, on both sides, in accordance with EN 1634-1 and EN 1634-3
- classified according to EN 13501-2
- validated cycle test in accordance with C0
- CE marked in accordance with EN 13241 and EN 16034

### Application

- only suitable for indoor / indoor situations (wind class 0) without high underpressure or overpressure
- only to be used in case of calamity ('waiting' door)
- mounting possible on and in the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry

### Standard

- gravity failsafe tubular motor 230 V incl. control box (till ± 18 m<sup>2</sup>)
- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery (if opening > ± 18 m<sup>2</sup>)
- optical / acoustic signaling
- galvanized steel side guides and cover box

### Options

- smoke resistant according Sa (till ± 9 m<sup>2</sup>) and S200 (till ± 6 m<sup>2</sup>)
- emergency battery (UPS) for maintaining open position in the event of a power failure
- galvanized steel parts powder coated in RAL color of choice
- smoke detector for a stand-alone system
- key switch



classification	fire resistance	max. width	max. height	max. opening
EI(1)	60 minutes	18.000 mm	10.000 mm	180 m <sup>2</sup>
EI(2)	120 minutes	18.000 mm	10.000 mm	180 m <sup>2</sup>
EW	120 minutes	18.000 mm	10.000 mm	180 m <sup>2</sup>

Due to continuous product development, we ask you to contact us for the current dimensions.  
Larger dimensions on request.

# Fire rated roller shutters

## RGS EW 60 & RGS EW 90 & RGS EW 120 & RGS EW 240 TWIN

### Certification

- tested, on both sides, in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (10.000 movements)
- CE marked in accordance with EN 13241 and EN 16034

### Application

- suitable for indoor/indoor and indoor / outdoor situations
- suitable for frequent use
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction, reinforced metal stud wall (through-and-through installation mandatory when fire resistance > 120 minutes)

### Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- gravity failsafe tubular motor 230 V incl. control box (fill ± 4 m<sup>2</sup>)
- optical / acoustic signaling

### Options

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- roll / motor cover box, galvanized steel
- galvanized steel parts powder coated in RAL color of choice
- side guides, brackets, cover box in stainless steel 304 or 316
- set of light curtains
- smoke detector for a stand-alone system
- key switch, up-stop-down switch



RGS EW 60 - 90 - 120

classification	fire resistance	max. width	max. height	max. opening
EW	60 minutes	9.000 mm	9.000 mm	± 70 m <sup>2</sup>
EW	90 minutes	9.000 mm	9.000 mm	± 21 m <sup>2</sup> - ± 34 m <sup>2</sup>
EW	120 minutes	9.000 mm	9.000 mm	± 14 m <sup>2</sup> - ± 25 m <sup>2</sup>
EW*	120 minutes**	9.000 mm	9.000 mm	± 70 m <sup>2</sup>
E*	240 minutes	9.000 mm	9.000 mm	± 70 m <sup>2</sup>

\* type RGS EW 240 TWIN

\*\* additional performance EW 240 minutes is not possible to classify according EN 13501-2

Due to continuous product development, we ask you to contact us for the current dimensions.

Larger dimensions on request.

## RGS EW 240

### Certification

- tested, on both sides, in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (10.000 movements)
- CE marked in accordance with EN 13241 and EN 16034

### Application

- suitable for indoor / indoor and indoor / outdoor situations
- suitable for frequent use
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry (through-and-through installation mandatory when fire resistance > 120 minutes)

### Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- optical / acoustic signaling

### Options

- application in indoor / outdoor situations up to wind class 3 (700 Pa)
- roll / motor cover box, galvanized steel
- galvanized steel parts powder coated in RAL color of choice
- set of light curtains
- smoke detector for a stand-alone system
- key switch, up-stop-down switch

classification	fire resistance	max. width	max. height	max. opening
EW	120 minutes*	9.000 mm	9.000 mm	± 50 m <sup>2</sup>
E	240 minutes	9.000 mm	9.000 mm	± 50 m <sup>2</sup>

\* additional performance EW 240 minutes is not possible to classify according EN 13501-2

Due to continuous product development, we ask you to contact us for the current dimensions.

Larger dimensions on request.



RGS EW 240



# Fire rated roller shutters

## RGS EI(1) 30 / EI(2) 60



### Certification

- tested, on both sides, in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (10.000 movements)
- CE marked in accordance with EN 13241 and EN 16034

### Application

- suitable for indoor / indoor and indoor / outdoor situations
- suitable for frequent use
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry

### Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- optical / acoustic signaling

### Options

- application in indoor / outdoor situations up to wind class 3 (700 Pa)
- sound insulation value 37 dB or 55 dB
- roll / motor cover box, galvanized steel
- galvanized steel parts powder coated in RAL color of choice
- set of light curtains
- smoke detector for a stand-alone system
- key switch, up-stop-down switch

classification	fire resistance	max. width	max. height	max. opening
EI(1)	30 minutes	9.000 mm	9.000 mm	± 50 m <sup>2</sup>
EI(1)	45 minutes	9.000 mm	9.000 mm	± 50 m <sup>2</sup>
EI(2)	30 minutes	9.000 mm	9.000 mm	± 50 m <sup>2</sup>
EI(2)	60 minutes	9.000 mm	9.000 mm	± 50 m <sup>2</sup>

Due to continuous product development, we ask you to contact us for the current dimensions.  
Larger dimensions on request.

## RGC EI(1) 60 / EW 60

### Certification

- tested, on both sides, in accordance with EN 1634-1
- classified according to EN 13501-2
- composite slats classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C2 (10.000 movements)
- CE marked in accordance with EN 13241 and EN 16034

### Application

- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes, not as an escape route
- suitable for frequent use
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction, reinforced metal stud wall

### Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- optical / acoustic signaling
- door leaf constructed from galvanized steel slats (front) and fire-resistant composite slats (back) with a mixed white structure

### Options

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- roll / motor cover box, galvanized steel
- galvanized steel parts powder coated in RAL color of choice
- composite slats in RAL color of choice based on wet painting or wrap foil
- set of light curtains
- smoke detector for a stand-alone system
- key switch, up-stop-down switch
- liquid barrier with height 300 mm



classification	fire resistance	max. width	max. height	max. opening
EI(1)	60 minutes	9.250 mm	8.000 mm	± 40 m <sup>2</sup>
EI(2)	60 minutes	9.250 mm	8.000 mm	± 40 m <sup>2</sup>

Due to continuous product development, we ask you to contact us for the current dimensions.  
Width and height are maximized, openings larger than 40 m<sup>2</sup> on request.

## OHD-C EI(1) 60 / EI(2) 90 / EW 90

### Certification

- tested, on both sides, in accordance with EN 1634-1 and EN 1634-3
- classified according to EN 13501-2
- panels classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C2 (10.000 movements)
- CE marked in accordance with EN 13241 and EN 16034

### Application

- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes, not as an escape route
- suitable for frequent use
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

### Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- optical / acoustic signaling
- rail system for installation height between 1.000 mm and 1.500 mm
- door leaf constructed from fire-resistant composite panels, thickness 42 mm, with a mixed white structure

### Options

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- smoke resistant according Sa and S200 (pending)
- low rail system for installation height from 400 mm
- high lift or vertical rail system for installation height from 1.500 mm
- panels in RAL color of choice based on wet painting or wrap foil
- set of light curtains
- smoke detector for a stand-alone system
- key switch, up-stop-down switch
- liquid barrier with height 300 mm or 500 mm



classification	fire resistance	max. width	max. height	max. opening
EI(1)	60 minutes	5.175 mm	6.967 mm	23,5 m <sup>2</sup>
EI(2)	90 minutes	5.175 mm	6.967 mm	23,5 m <sup>2</sup>
EW	90 minutes	5.175 mm	6.967 mm	23,5 m <sup>2</sup>

Due to continuous product development, we ask you to contact us for the current dimensions.  
Larger dimensions on request.

## OHD-C EI(1) 120

### Certification

- tested, on both sides, in accordance with EN 1634-1
- classified according to EN 13501-2
- panels classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C0 (pending)
- CE marked in accordance with EN 13241 and EN 16034

### Application

- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes, not as an escape route
- suitable for frequent use
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry

### Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- optical / acoustic signaling
- rail system for installation height between 1.000 mm and 1.500 mm
- door leaf constructed from fire-resistant composite panels, thickness 80 mm, with a mixed white structure

### Options

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- low rail system for installation height from 500 mm
- high lift or vertical rail system for installation height from 1.500 mm
- panels in RAL color of choice based on wet painting
- set of light curtains
- smoke detector for a stand-alone system
- key switch, up-stop-down switch



classification	fire resistance	max. width	max. height	max. opening
EI(1)	120 minutes	5.100 mm	6.900 mm	23,5 m <sup>2</sup>
EI(2)	120 minutes	5.100 mm	6.900 mm	23,5 m <sup>2</sup>
EW	120 minutes	5.100 mm	6.900 mm	23,5 m <sup>2</sup>

Due to continuous product development, we ask you to contact us for the current dimensions.  
Larger dimensions on request.



## OHD-C Sprint

### Certification

- tested, on both sides, in accordance with EN 1634-1
- classified according to EN 13501-2
- panels classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C4 (100.000 movements)
- CE marked in accordance with EN 13241 and EN 16034

### Application

- basically always closed
- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes, not as an escape route
- suitable for frequent use
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry

### Standard

- box motor 400 V incl. control box with integrated frequency inverter
- opening speed max. ± 700 mm per second
- closing speed max. ± 250 mm - ± 700 mm per second
- fully vertical rail system
- set of light curtains

- door leaf constructed from fire-resistant composite panels, thickness 42 mm, with a mixed white structure

### Options

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- panels in RAL color of choice based on wet painting or wrap foil
- smoke detector for a stand-alone system
- up-stop-down switch, pull switch



classification	fire resistance	max. width	max. height	max. opening
EI(1)	60 minutes	4.000 mm	4.500 mm	10 m <sup>2</sup>
EI(2)	90 minutes	4.000 mm	4.500 mm	10 m <sup>2</sup>
EW	90 minutes	4.000 mm	4.500 mm	10 m <sup>2</sup>

Due to continuous product development, we ask you to contact us for the current dimensions.  
Larger dimensions on request.

## OHD-P EI(1) 60 / EI(1) 90

### Certification

- tested, on both sides, in accordance with EN 1634-1 and EN 1634-3
- classified according to EN 13501-2
- validated cycle test in accordance with C0
- CE marked in accordance with EN 13241 and EN 16034

### Application

- suitable for frequent use
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry

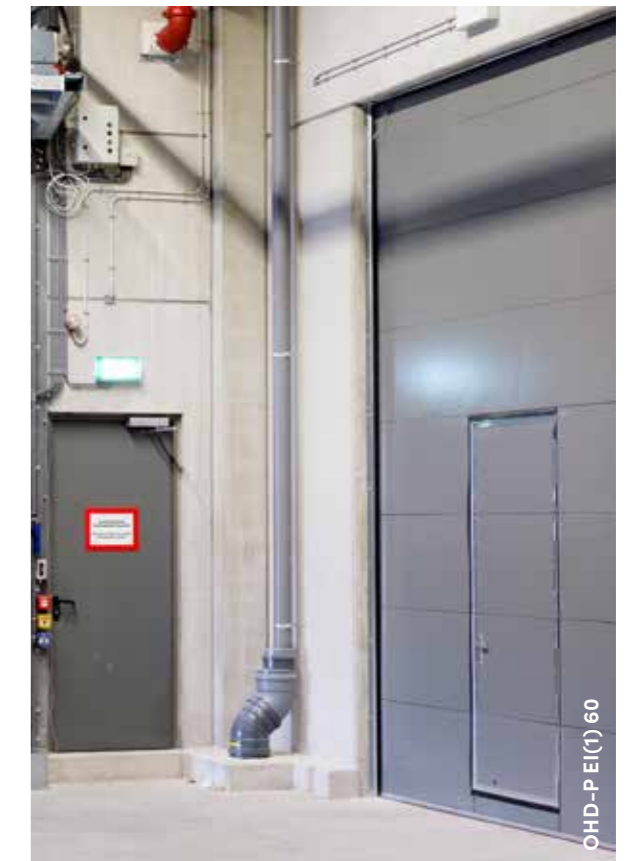
### Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- optical / acoustic signaling
- rail system for installation height of 900 mm
- door leaf constructed from fire-resistant panels in RAL 9002 or RAL 7016
- including integrated pedestrian door (850 mm x 2.310 mm, w x h)

### Options

- application in indoor / outdoor situations up to wind class 3 (700 Pa)
- smoke resistant according Sa and S200
- low rail system for installation height 600 mm

- panels in RAL color of choice based on wet painting
- set of light curtains
- smoke detector for a stand-alone system
- key switch, up-stop-down switch
- liquid barrier with height 200 mm or 400 mm



classification	fire resistance	max. width	max. height	max. opening
EI(1)	60 minutes	5.250 mm	5.250 mm	18,375 m <sup>2</sup>
EI(1)	90 minutes	3.500 mm	3.500 mm	12,25 m <sup>2</sup>
EW	60 minutes	5.250 mm	5.250 mm	18,375 m <sup>2</sup>
EW	90 minutes	3.500 mm	3.500 mm	12,25 m <sup>2</sup>

Due to continuous product development, we ask you to contact us for the current dimensions.  
Larger dimensions on request.



# Fire rated sliding doors

## SGC EI(1) 60 / EW 120

### Certification

- tested, on both sides, in accordance with EN 1634-1 and EN 1634-3
- classified according to EN 13501-2
- panels classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C3 (50.000 movements)
- CE marked in accordance with EN 13241 and EN 16034

### Application

- only suitable for indoor / indoor situations
- applicable in protected escape routes, not as an escape route
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

### Standard

- manually operated
- adjustable speed controller with integrated adhesive magnet 24 V
- gravity self-closing by counter weight
- door leaf constructed from fire-resistant composite panels, thickness 42 mm, with a mixed white structure

### Options

- smoke resistant according Sa
- galvanized steel rail cover
- panels in RAL color of choice based on wet painting or wrap foil
- galvanized steel parts powder coated in RAL color of choice
- free-swing system for operation independent of counter weight
- motor and control box 230 V for electrical opening and closing
- smoke detector for a stand-alone system



classification	fire resistance	max. width	max. height	max. opening
EI(1)	60 minutes	5.450 mm	6.750 mm	25 m <sup>2</sup>
EW	120 minutes	5.450 mm	6.750 mm	25 m <sup>2</sup>

Due to continuous product development, we ask you to contact us for the current dimensions.  
Larger dimensions on request.

## SGP EI(1) 60 / EI(1) 90

### Certification

- tested, on both sides, in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (10.000 movements)
- CE marked in accordance with EN 13241 and EN 16034

### Application

- suitable for indoor / indoor and indoor / outdoor situations
- mounting only possible on the wall / opening
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

### Standard

- manually operated
- single or double wing version
- adjustable speed controller with integrated adhesive magnet 24 VV
- gravity self-closing by counter weight
- door leaf constructed from fire-resistant panels in a RAL color of choice

### Options

- integrated pedestrian door in door leaf (1.280 mm x 2.300 mm, w x h)
- galvanized steel rail cover
- motor and control box 230 V for electrical opening
- smoke detector for a stand-alone system

### Application for version without pedestrian door

classification	fire resistance	max. width	max. height	max. opening
EI(1)	60 minutes	8.500 mm	6.000 mm	50 m <sup>2</sup>
EI(1)*	60 minutes	8.500 mm	6.000 mm	50 m <sup>2</sup>
EI(1)	90 minutes	4.250 mm	4.000 mm	17 m <sup>2</sup>
EI(1)*	90 minutes	4.200 mm	4.000 mm	16,8 m <sup>2</sup>
EI(2)	60 minutes	8.500 mm	6.000 mm	50 m <sup>2</sup>
EI(2)*	60 minutes	8.500 mm	6.000 mm	50 m <sup>2</sup>
EI(2)	90 minutes	8.500 mm	6.000 mm	50 m <sup>2</sup>
EI(2)*	90 minutes	4.200 mm	4.000 mm	16,8 m <sup>2</sup>

### Application for version with pedestrian door

classification	fire resistance	max. width	max. height	max. opening
EI(1)	60 minutes	4.250 mm	4.000 mm	17 m <sup>2</sup>
EI(1)*	60 minutes	4.250 mm	4.000 mm	17 m <sup>2</sup>
EI(2)	60 minutes	8.500 mm	6.000 mm	50 m <sup>2</sup>
EI(2)*	60 minutes	8.500 mm	6.000 mm	50 m <sup>2</sup>

\* double wing version

Due to continuous product development, we ask you to contact us for the current dimensions.  
Larger dimensions on request.

# Fire rated hinged doors

## LD Standard EI(1) 30 / EI(2) 60 & EI(1) 60 / EI(2) 120

### Certification

- tested, on both sides, in accordance with EN 1634-1
- classified according to EN 13501-2
- CE marked in accordance with EN 13241 and EN 16034

### Application

- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry

### Standard

- door leaf and frame in RAL color of choice
- equipped with corner frame
- including door closer

### Options

- application in indoor / outdoor situations
- block frame
- two-leaf version (active leaf + fixed leaf)
- integrated glass window
- panic lock by means of a handle or push bar



classification	fire resistance	max. width	max. height	max. opening
EI(1)	30 minutes	1.300 mm	2.500 mm	3,25 m <sup>2</sup>
EI(1)*	30 minutes	2.500 mm	2.500 mm	6,25 m <sup>2</sup>
EI(1)	60 minutes	1.300 mm	2.500 mm	3,25 m <sup>2</sup>
EI(1)*	60 minutes	2.300 mm	2.500 mm	5,75 m <sup>2</sup>
EI(2)	60 minutes	1.300 mm	2.500 mm	3,25 m <sup>2</sup>
EI(2)*	60 minutes	2.500 mm	2.500 mm	6,25 m <sup>2</sup>
EI(2)	120 minutes	1.300 mm	2.500 mm	3,25 m <sup>2</sup>
EI(2)*	120 minutes	2.300 mm	2.500 mm	5,75 m <sup>2</sup>

\* two-leaf version

Due to continuous product development, we ask you to contact us for the current dimensions.

Larger dimensions on request.

## LD Pro EI(1) 60 / EI(2) 120 / EW 240

### Certification

- tested, on both sides, in accordance with EN 1634-1
- classified according to EN 13501-2
- CE marked in accordance with EN 13241 and EN 16034

### Application

- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes
- permitted mounting surfaces: aerated concrete, sand-lime brick, concrete, masonry

### Standard

- door leaf and frame in RAL color of choice based on wet painting
- equipped with corner frame
- including door closer

### Options

- application in indoor / outdoor situations
- block frame of wall-covering frame
- two-leaf version (active leaf + fixed leaf)
- panic lock by means of a handle or push bar
- storm chain



classification	fire resistance	max. width	max. height	max. opening
EI(1)	60 minutes	1.300 mm	2.400 mm	3,12 m <sup>2</sup>
EI(1)*	60 minutes	2.497 mm	2.928 mm	7,31 m <sup>2</sup>
EI(2)	120 minutes	1.300 mm	2.400 mm	3,12 m <sup>2</sup>
EI(2)*	120 minutes	2.497 mm	2.928 mm	7,31 m <sup>2</sup>
EW	120 minutes**	1.300 mm	2.400 mm	3,12 m <sup>2</sup>
EW*	120 minutes**	2.497 mm	2.928 mm	7,31 m <sup>2</sup>
E	240 minutes	1.300 mm	2.400 mm	3,12 m <sup>2</sup>
E*	240 minutes	2.497 mm	2.928 mm	7,31 m <sup>2</sup>

\* two-leaf version

\*\* additional performance EW 240 minutes is not possible to classify according EN 13501-2

Due to continuous product development, we ask you to contact us for the current dimensions.

Larger dimensions on request.



## Metacon-Next takes the regulations regarding fire rated products very seriously.

As of November 1, 2019, CE marking is mandatory within the European Union on industrial doors with fire-resistant and smoke-resistant characteristics.

The CE certificate is a CPR document (Construction Products Regulation) issued by a Notified Body. These are accredited bodies such as Efectis, Fires and Applus. A Notified Body supervises the compliant performance of, among other things, fire tests, cycle tests and tests regarding the wind load and is authorized to express this performance in a CE certificate by means of classification reports. The CE certificate states, among other things, the structure of a product, its fire resistance, smoke-limiting characteristics, the area of application and the permitted mounting surfaces.

Our products are provided with a CE certificate and are also produced and delivered in accordance with this certificate. We draw up a Declaration of Performance (DoP) of each concerning product. The performances are declared under EN 13241, including the mandatory safe opening, possibly additional wind class and various other essential characteristics of the product. In addition, the performances are declared under EN 16034, such as fire resistance, the ability to release and self-closing. This DoP is made available by us to the customer and explains the performance of the delivered product.

As a dealer of Metacon-Next, we always guarantee you a correct DoP!



Test RGS EW



Test RGT



Test SGC

The Declaration of Performance (DoP) is a mandatory, door-specific, supplier statement in which the performance of the produced door is declared.

**Draft Declaration of Performance No. 012 - ...** **Metaalwarenfabriek Metacon B.V.**

1	Unique identification code of the product type:	METACON ...
2	Type, batch or serial number or any other element for the identification of the product	Order, position and serial number, (label at door)
3	Intended use of the construction	Industrial fire rated operable textile curtain
4	Name and address of manufacturer	Metaalwarenfabriek Metacon B.V. Zuidbaan 450 2841 MD Moordrecht (NL)
5	Name of representative	Vincent Vergunst
6	System of assessment and verification of constancy of performance of the construction product as set out in annex V	System 1 + System 3
7	<p>In case of the Declaration of Performance concerning a construction product covered by a harmonized standard EN 16034 The notified product verification body **** has performed in system 1 the determination of the product type on base of type test (including sampling), initial inspection of the manufacturing company and in-house production control plus monitoring, appraisal and evaluation of the in-house production control and issued the certificate of constancy of the product performance (certificate n° ****).</p> <p>In case of the Declaration of Performance concerning a construction product covered by a harmonized standard EN 13241 The notified product verification body LGA1 TECHNOLOGICAL CENTER, S.A. / Applus NB n° 0970 has performed the test in system 3 and issued the test report (certificate n° 2016/770AD-05).</p>	

**8 Declared performance**

Essential characteristics	Performance	Harmonized Standard
Water tightness	NPD	EN 13241:2003 + A2:2016
Release of dangerous substances	NPD	
Resistance to wind load	Class 0 - 5*	
Thermal resistance	NPD	
Air permeability	NPD	
Safe opening (for vertically moving doors)	Pass	
Definition of geometry of glass components	NPD	
Mechanical resistance and stability	Pass	
Operating forces (for power operated doors)	Pass*	
Durability of water tightness, thermal resistance and air permeability against degradation	NPD	
Resistance to fire	E 20 - EI 240 - EW120	EN 16034:2014
A Smoke control	S <sub>a</sub> - S <sub>200</sub>	
C Ability to release	released	
D Self-closing	C	
E Durability of ability to release	released maintained	
F Durability of self-closing; - against degradation - against ageing	1-5 achieved	

9 The performance of the product according to 1 and 2 corresponds to declared performance according to 8. The manufacturer according to 4 alone is responsible for the creation of this declared performance. Performance marked with\* is depending of the bought configuration, the final DOP will be send with the order conformation.

- A) Fire resistance in minutes, mentioned for E, W and I
- B) Smoke class, Sa or S200
- C) The option of controlling self-closing by a fire alarm and/or power failure. When tested it is written in the paper as: Released
- D) Self-closing. If tested it is written in the paper as: C
- E) Provides the durability of the option to control self-closing by a fire alarm and / or power failure. If tested it is written in the paper as: Release maintained.
- F) Against degradation: this is the cycle test for the door 0-5
- G) Against ageing: corrosiontest for open/close system, tested by EN 12605: achieved

## Self-closing drives

Every industrial fire rated door must close in case of fire, regardless of the presence of electricity. This principle of mechanical fail safe closure is part of the CE marking in accordance with EN 16034. All our motorized fire doors are equipped with a fail safe drive, as required in EN 14637 for fire and/or smoke doors that are not closed after each passage. Electrical failsafe (for example, by only using a UPS battery) is not allowed for open doors.

## Gravity fail safe closing tubular motors

We apply a self-closing 230 V tubular motor to our fire rated roller curtains and optionally to small-sized fire rated roller shutters. These are supplied as standard in combination with a control box.

At the moment of a fire alarm, power failure or a combination of both, the door will close under controlled gravity. Optionally, it is possible to place a UPS / battery (emergency power supply) between the power supply and the control box, which leaves the door open in the event of a power failure. When there is a fire alarm or the battery reaches a minimum voltage level, the door will still close in a controlled way. In all cases of gravity closure, the optical / acoustic alarms will also be activated.



## Gravity fail safe chain wheel drives

We apply a self-closing 400 V chain wheel drive to our fire rated roller shutters and sectional doors. These are supplied as standard in combination with a control box in which a battery is integrated.

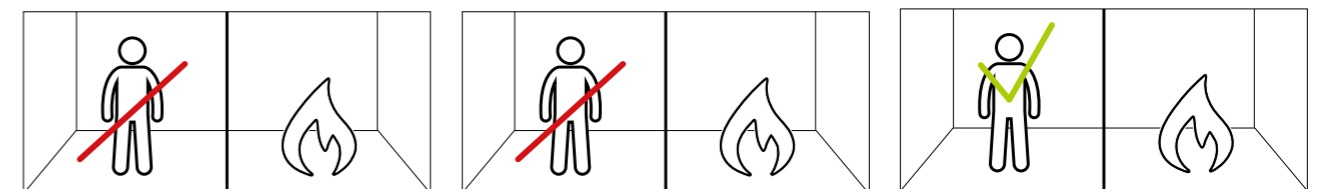
At the moment of a fire alarm, the door will close in a controlled way. In the event of a power failure, the battery in the control box will energize the drive brake and leave the door open. When there is a fire alarm or the battery is at low voltage, the door will close in a controlled way. In the event of a combination of a fire alarm and power failure, the door will close by controlled gravity.

When the door closes by gravity, the optical / acoustic alarms will also be activated. Any protections on the door, such as a set of light curtains, are always overruled when a door closes due to a fire alarm or power failure.



<b>NEN 6069</b>	Dutch standard for fire resistance
<b>NEN 6075</b>	Dutch standards for smoke resistance
<b>EN 1634-1</b>	European Norm for fire resistance
<b>EN 1634-3</b>	European Norm for smoke resistance
<b>EN 13241</b>	European Norm of product standard for industrial doors
<b>EN 16034</b>	European Norm of product standard industrial doors with fire and / or smoke resistant characteristics
<b>EN 13501-1</b>	Classification standard with regard to fire behavior
<b>EN 13501-2</b>	Classification standard with regard to fire resistance
<b>EN 14637</b>	European Norm for closing electrically open industrial doors
<b>CE</b>	Conformité Européene
<b>DoP</b>	Declaration of Performance

## Fire resistance



**E:** flame-proof

**W:** heat radiation

**I\*:** insulation based on surface temperature

*\* distinction between I (1) and I (2), based on positioning of thermocouples during fire test (I1 at more difficult positions; I is  $\Delta T < 140^\circ$  avg and  $\Delta T 180^\circ$  max)*

In the case of a PGS (Publication Series Hazardous Substances) room, at least classification EI (1) is required.

## Smoke resistance

<b>NEN 6075:2019</b>	for existing buildings based on the number of minutes of fire resistance x 1,5
<b>NEN 6075</b>	for new construction based on Sa / S200
<b>Sa</b>	cold smoke at $\pm 20$ degrees Celsius
<b>S200</b>	warm smoke at $\pm 200$ degrees Celsius



	CE		classification fire resistance according EN 13501-2 based on EN 1634-1														
	EN 13241	EN 16034	E					I(1)					I(2)				
			30	60	90	120	240	30	60	90	120	240	30	60	90	120	240

Fire rated roller curtains																
RGT EW 60 Compact	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-
RGT EW 60	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-
RGT EW 90	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
RGT EI(1) 45 / EI(2) 60 / EW 120	X	X	X	X	X	X	-	X	-	-	-	-	X	X	-	-
RGT EI(1) 60 / EI(2) 120 / EW 120	X	X	X	X	X	X	-	X	X	-	-	-	X	X	X	X

Fire rated roller shutters																
RGS EW 60	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-
RGS EW 90	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
RGS EW 120	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-
RGS EW 240 TWIN	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-
RGS EW 240	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-
RGS EI(1) 30 / EI(2) 60	X	X	X	X	-	-	-	X	-	-	-	-	X	X	-	-
RGC EI(1) 60 / EW 60	X	X	X	-	-	-	-	X	X	-	-	-	X	X	-	-

Fire rated sectional doors																
OHD-C EI(1) 60 / EI(2) 90 / EW 90	X	X	X	X	X	-	-	X	X	-	-	-	X	X	X	-
OHD-C EI(1) 120	X	X	X	X	X	X	-	X	X	X	X	-	X	X	X	X
OHD-C Sprint EI(1) 60 / EI(2) 90 / EW 90	X	X	X	X	X	-	-	X	X	-	-	-	X	X	X	-
OHD-P EI(1) 60 / EI(1) 90	X	X	X	X	X	-	-	X	X	X	-	-	X	X	X	-
OHD ECO EI(1) 60 / EW 60	X	X	X	X	-	-	-	X	X	-	-	-	X	X	-	-

Fire rated sliding door																
SGC EI(1) 60 / EW 120	X	X	X	X	X	X	-	X	X	-	-	-	X	X	-	-
SGP EI(1) 60 / EI(1) 90	X	X	X	X	X	-	-	X	X	X	-	-	X	X	X	-

Fire rated hinged doors																
LD Standard EI(1) 60 / EI(2) 120	X*	X	X	X	X	X	-	X	X	-	-	-	X	X	X	X
LD Pro EI(1) 60 / EI(2) 120 / EW 240	X*	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X

\* only for indoor / indoor situations in specific configuration

	classification smoke resistance according EN 13501-2 based on EN 1634-3					field of application			mounting substrates					
	W					Sa	S200	width	height	opening	aerated concrete	concrete	fire-resistant steel construction	metal stud
	30	60	90	120	240**									

X	X	-	-	-	-	-	-	8.000 mm	8.000 mm	64 m <sup>2</sup>	X	X	X	X
X	X	-	-	-	-	-	-	8.000 mm	8.000 mm	48 m <sup>2</sup>	X	X	X	X
X	X	X	-	-	-	-	-	4.500 mm	4.500 mm	18,5 m <sup>2</sup>	X	X	X	X
X	X	X	X	-	-	X***	X***	18.000 mm	10.000 mm	180 m <sup>2</sup>	X	X	-	-
X	X	X	X	-	-	X***	X***	16.000 mm	10.000 mm	160 m <sup>2</sup>	X	X	-	-

X	X	-	-	-	-	-	-	9.000 mm	9.000 mm	± 70 m <sup>2</sup>	X	X	X	-
X	X	X	-	-	-	-	-	9.000 mm	9.000 mm	± 21-34 m <sup>2</sup>	X	X	X	-
X	X	X	X	-	-	-	-	9.000 mm	9.000 mm	± 14-25 m <sup>2</sup>	X	X	X	-
X	X	X	X	X	-	-	-	9.000 mm	9.000 mm	± 70 m <sup>2</sup>	X	X	X	-
X	X	X	X	X	-	-	-	9.000 mm	9.000 mm	± 50 m <sup>2</sup>	X	X	-	-
X	X	-	-	-	-	-	-	9.000 mm	9.000 mm	± 50 m <sup>2</sup>	X	X	-	-
X	X	-	-	-	-	-	-	9.250 mm	8.000 mm	± 40 m <sup>2</sup>	X	X	X	-

X	X	X	-	-	-	X	X (PENDING)	5.175 mm	6.967 mm	23,5 m <sup>2</sup>	X	X	X	-
X	X	X	X	-	-	-	-	5.100 mm	6.900 mm	23,5 m <sup>2</sup>	X	X	-	-
X	X	X	-	-	-	-	-	4.000 mm	4.500 mm	10 m <sup>2</sup>	X	X	-	-
X	X	X	-	-	-	X***	X***	5.250 mm	5.250 mm	18,375 m <sup>2</sup>	X	X	-	-
X	X	-	-	-	-	-	-	6.750 mm	5.500 mm	25 m <sup>2</sup>	X	X	-	-

X	X	X	X	-	-	X	-	5.450 mm	6.750 mm	25 m <sup>2</sup>	X	X	X	-
X	X	X	-	-	-	-	-	6.300 mm	6.000 mm	37,8 m <sup>2</sup>	X	X	X	-

X	X	X	X	-	-	-	-	2.500 mm	2.500 mm	6,25 m <sup>2</sup>	X	X	-	-
X	X	X	X	X	-	X	X	2.497 mm	2.928 mm	7,31 m <sup>2</sup>	X	X	-	-

\*\* performance achieved based on testing according to EN 1634-1, but no formal classification possible according to EN 13501-2

\*\*\* limitation in dimensions for version Sa and S200









 Randweg 19, 8304 AS, Emmeloord  
The Netherlands  
 +31(0) 527 - 610 824



 Zuidbaan 450, 2841 MD, Moordrecht  
The Netherlands  
 +31(0) 182 - 510 777