

# Burglar resistance

Doors



**forster**



**forster fuego light**  
EI30 to RC3



**forster presto 50**  
up to RC2



**forster presto 60s**  
up to RC3



**forster unico**  
up to RC4

# Burglar-resistant doors by Forster

Door elements with burglar resistance are now required in a wide range of building types and applications, both outdoors and indoors. Burglar-resistant door and fixed glazing solutions offer good mechanical protections and can be combined with other safety functions such as fire and smoke protection or emergency exit and panic door closures.

Forster integrates these important functions into the systems forster fuego light, presto and unicó – without compromising on the aesthetics, design options and durability. Our tried-and-tested, flexible steel-glass structures for outdoor and indoor use stand out thanks to their premium quality, ultra-thin face widths and decades-long service life.

# forster fuego light

## Combo solution with burglar resistance

The fire-resistant forster fuego light system for doors and fixed glazing for indoor applications can be combined with burglar resistance and ensures maximum stability even in large dimensions: Thanks to the structure made of high-quality steel and stainless steel, even high leaf weights can be used so that the safety requirements can be met.

As a flush sheet metal element, the multi-functional system can also cover burglar resistance requirements up to RC3. With a large selection of profiles and fittings, forster fuego light can be used in a wide range of applications with a high degree of design freedom.

### Your benefits

- Uncompromising smoke and fire protection
- High multi-functionality
- Narrow face width for high transparency

### Technical specifications

#### Material versions

Available as CO<sub>2</sub>-reduced low carbon emission steel  
Steel zinc magnesium, brushed stainless steel

#### Face widths

Door leaf with frame from 110 mm  
Fixed glazing from 50 mm

#### Dimensions

Inside width single-leaf (WxH): max. 1400 x 3000 mm  
Inside width double-leaf (WxH): max. 2830 x 3000 mm  
Fixed glazing (WxH): unlimited x 4000 mm

#### Fittings

Attached and concealed flush fittings

Leaf weight: max. 420 kg

RC2: Mortise locks without supplementary shootbolt to leaf height of 2500 mm

RC2: Mortise locks with supplementary top shootbolt from leaf height of 2500 mm

RC2: Multi-point lock, optionally motorised

RC3: Safety multi-point locking system, optionally available in mechanical, motorised or lever-operated versions

#### System features

Design variants:

Revolving door 1-/2-leaf, with optional sidelight and fanlight

Fixed glazing

Flush sheet metal door

Structural depth 65 mm

Prepared profiles for efficient processing

Use of broad profiles of up to 105 mm possible

Glazing beads clipped in steel up to RC2 or screwed into steel up to RC3

Wet and dry glazing

#### Performance characteristics\*

Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804

Fire protection in accordance with EN 1634-1

Doors EI<sub>2</sub>30/EI<sub>1</sub>30

Fixed glazing EI30/EI60

Smoke protection S<sub>a</sub> or S<sub>200</sub> in accordance with EN 1634-3

Durability of self-closing property Class 8 according to EN 12400 (tested up to 1 million cycles according to EN 1191 also with automatic door opener)

Doors for escape and emergency routes (partial and full panic) according to EN 179 and EN 1125

Threshold-free and barrier-free according to DIN 18040

\*Take note of the country-specific approvals and requirements



Low carbon  
emission steel



EPD



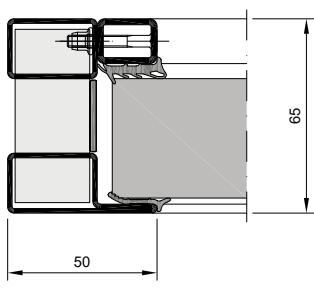
Fire  
resistance



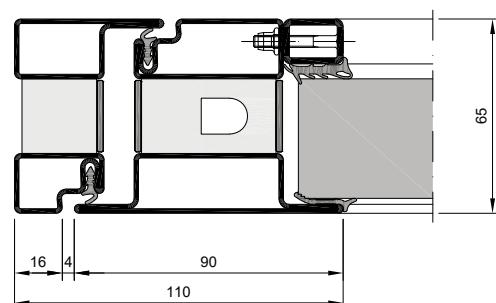
Smoke  
protection



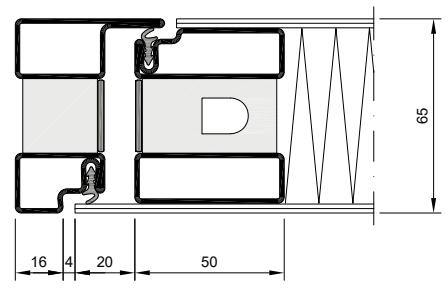
Durability



Fixed glazing



Door leaf  
Frame combination  
glazed



Door leaf  
Frame combination  
Flush sheet metal

The forster presto 50 RC2 system is primarily for indoor use and – despite its shallow construction depth of just 50 mm – is particularly robust thanks to the welded connection of the profiles. The low-maintenance solution can be supplemented with diverse security options and thus offers a huge number of variants for single- and double-leaf doors – from fire and smoke protection to barrier-free access to panic door closures.

Designs with burglar resistance are also possible for all door variants at a very reasonable price: The system can be upgraded with little effort for burglar resistance up to protection class RC2 with anti-panic, and is also available as a flush sheet metal door. Being made of 100% steel or stainless steel, forster presto 50 RC2 is also very durable and fully recyclable.

### Your benefits

- Multi-functional and versatile
- Burglar resistance up to RC2
- Made of steel or stainless steel

### Technical specifications

#### Material versions

Available as CO<sub>2</sub>-reduced low carbon emission steel  
Bright steel, steel zinc magnesium, brushed stainless steel

#### Face widths

Door leaf with frame from 120 mm

Fixed glazing from 40 mm

#### Dimensions

Inside width single-leaf (WxH): max. 1400 x 3000 mm

Inside width double-leaf (WxH): max. 2830 x 3000 mm

Fixed glazing (WxH): unlimited x 5000 mm

#### Fittings

Attached and concealed flush fittings

Leaf weight: max. 410 kg

Mortise locks without supplementary shootbolt to leaf height of 2500 mm

Mortise locks with supplementary top shootbolt from leaf height of 2500 mm

#### System features

Design variants:

Revolving door 1-/2-leaf, with optional sidelight and fanlight

Fixed glazing

Flush sheet metal door

Use of broad profiles of up to 80 mm possible

Glazing beads clipped or screwed into steel

Wet and dry glazing

#### Performance characteristics\*

Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804

CE marking according to EN 16034 and EN 14351-1

Fire protection E60/EW60 according to EN 1634-1

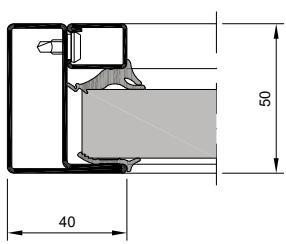
Smoke protection S<sub>a</sub> or S<sub>200</sub> in accordance with EN 1634-3

Durability of self-closing property Class 8 according to EN 12400 (tested up to 1 million cycles according to EN 1191 also with automatic door opener)

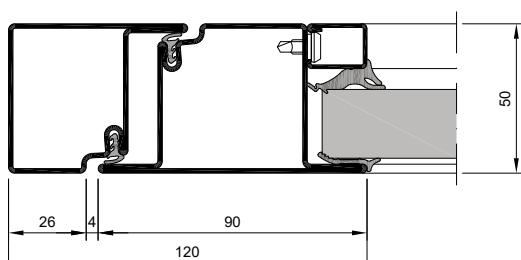
Doors for escape and emergency routes (partial and full panic) according to EN 179 and EN 1125

Threshold-free and barrier-free according to DIN 18040

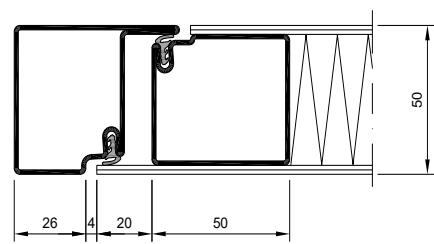
\*Take note of the country-specific approvals and requirements



Fixed glazings



Door leaf  
Frame combination  
glazed



Door leaf  
Frame combination  
flush sheet metal

For even more stability and security, forster presto 60s RC3 is the right choice for you: The low-maintenance system for single- and double-leaf doors and fixed glazing – mainly for indoor use – delivers better statics with its increased material thickness. In addition, forster presto 60s can be configured with various security functions such as burglar resistance up to class RC3.

The forster presto 60s RC3 burglar-resistant system can be used not only for fire and smoke protection doors but also for barrier-free revolving doors with anti-panic function. As such, our particularly durable and secure solution with its 2 mm-thick profiles made of 100% steel offers a high level of security in high-footfall buildings.

### Your benefits

- Steel profiles with increased wall thickness
- Burglar resistance up to RC3
- Construction depth of 60 mm

### Technical specifications

#### Material versions

Available as CO<sub>2</sub>-reduced low carbon emission steel  
Bright steel

#### Face widths

Door leaf with frame from 132 mm  
Fixed glazing from 40 mm

#### Dimensions

Inside width single-leaf (WxH): max. 1400 x 3000 mm  
Inside width double-leaf (WxH): max. 2830 x 3000 mm  
Fixed glazing (WxH): unlimited x 5000 mm

#### Fittings

Attached and concealed flush fittings  
Leaf weight: max. 410 kg  
Safety multi-point locking system, optionally available in mechanical, motorised or lever-operated versions

#### System features

Design variants:  
Revolving door 1-/2-leaf, with optional sidelight and fanlight  
Fixed glazing  
Glazing beads screwed into steel  
Wet and dry glazing

#### Performance characteristics\*

Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804  
CE marking according to EN 16034 and EN 14351-1  
Fire protection E30 according to EN 1634-1  
Smoke protection S<sub>a</sub> or S<sub>200</sub> in accordance with EN 1634-3  
Durability of self-closing properties Class 8 according to EN 12400 (tested up to 1 million cycles according to EN 1191 also with automatic door opener)  
Doors for escape and emergency routes (partial and full panic) according to EN 179 and EN 1125  
Threshold-free and barrier-free according to DIN 18040

\*Take note of the country-specific approvals and requirements



Low carbon  
emission steel



EPD



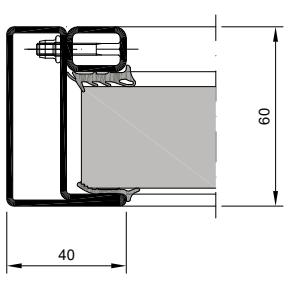
Burglar  
resistance



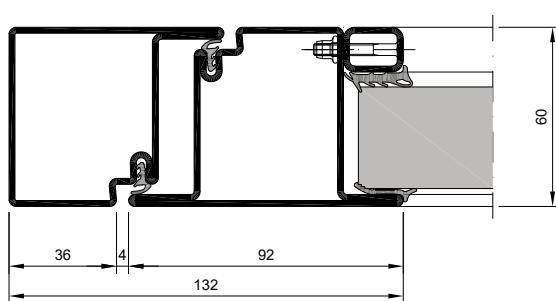
Durability



Max.  
dimensions



Fixed glazing



Door leaf  
Frame combination glazed

# forster unico

## Stable and secure

The versatile forster unico system stands out first and foremost thanks to its excellent thermal and sound insulation values and meets the desired physical building requirements – even in large dimensions. Combined with burglar resistance up to RC3, our multi-talented forster unico offers a particularly high level of security for outdoor applications.

The single- and double-leaf RC outside doors made of 100% recyclable steel or stainless steel are synonymous with contemporary energy efficiency and environmentally friendly use of materials. As such, the system allows for responsible and sustainable construction – paired with an attractive design and strong security options.

### Your benefits

- Maximum stability and security
- Burglar resistance up to RC3
- 100% recyclable

### Technical specifications

#### Material versions

Available as CO<sub>2</sub>-reduced low carbon emission steel  
Bright steel, steel zinc magnesium, brushed stainless steel

#### Face widths

Door leaf with frame from 110 mm  
Fixed glazing from 50 mm

#### Dimensions

Inside width single-leaf (WxH): max. 1400 x 3000 mm  
Inside width double-leaf (WxH): max. 2830 x 3000 mm  
Fixed glazing (WxH): unlimited x 5000 mm

#### Fittings

Attached and concealed flush fittings

Leaf weight: max. 410 kg

RC2: Mortise locks without supplementary shootbolt to leaf height of 2500 mm

RC2: Mortise locks with supplementary top shootbolt from leaf height of 2500 mm

RC2: Multi-point lock, optionally motorised

RC3: Safety multi-point locking system, optionally available in mechanical, motorised or lever-operated versions

RC4: as customised solution

#### System features

Design variants:

Revolving door 1-/2-leaf, with optional sidelight and fanlight

Fixed glazing

Flush sheet metal door

Construction depth: 70 mm

Prepared profiles and slide-in-strips for efficient processing up

Use of broad profiles of up to 205 mm possible

Glazing beads clipped in steel up to RC2 or screwed into steel up to RC3

Wet and dry glazing

#### Performance characteristics\*

EPD Environmental Product Declaration according to ISO 14025 and EN 15804

CE marking according to EN 14351-1

Thermal insulation

Door U<sub>D</sub> up to 0.9 W/(m<sup>2</sup>·K)

Fixed glazing U<sub>w</sub> up to 0.63 W/(m<sup>2</sup>·K)

Durability of self-closing property Class 8 according to EN 12400 (tested up to 1 million cycles according to EN 1191 with automatic door opener)

Doors for escape and emergency routes (partial and full panic) according to EN 179 and EN 1125

Resistance to wind loads Class C3/B3 according to EN 12210

Watertightness Class 3A according to EN 12208

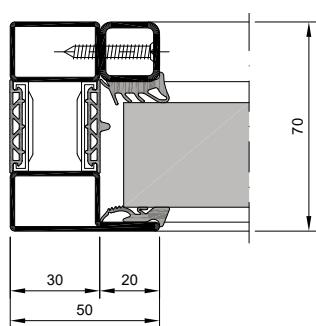
Air permeability: class 4 according to EN 12207

Impact resistance class 1 according to EN 13049

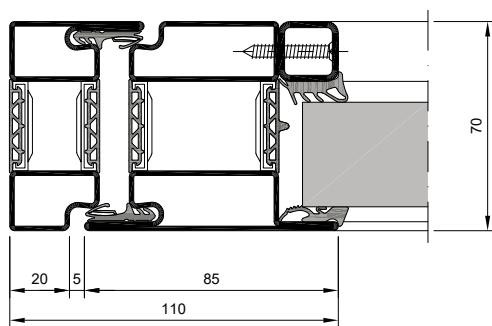
Threshold-free and barrier-free according to DIN 18040

Sound insulation up to R<sub>w</sub> = 46 dB according to EN ISO 140-3

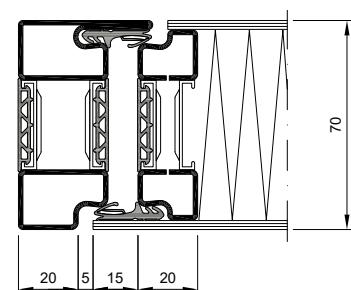
\*Take note of the country-specific approvals and requirements



Fixed glazing



Door leaf  
Frame combination  
Glazed



Door leaf  
Frame combination  
Flush sheet metal

# Reference projects with burglar-resistant doors

A large number of successful projects prove just how versatile forster's burglar-resistant door solutions can be – completely tailored to the respective needs and requirements of the building type and application. Let yourself be inspired by our reference projects!



*Collège du Martinet, Rolle, Switzerland  
forster fuego light  
Image: Damian Poffet*



*Maison de la Paix, Geneva, Switzerland  
forster fuego light  
Image: Damian Poffet*



*Cantonal Museum of Fine Arts (MCBA),  
Lausanne, Switzerland  
forster unico*



*Porcelain collection  
Dresden Zwinger, Germany  
forster presto*

# Technical data

		fuego light	presto 50	presto 60s	unico
Availability	RC2	•	•	•*	•
	RC3	•		•	•
	RC4				•*
Material versions	Steel	•	•	•	•
	Stainless	•	•		•
Dimensions	RC2	Inside width single-leaf (W×H): max. 1400 × 3000 mm Inside width double-leaf (W×H): max. 2830 × 3000 mm Fixed glazing (W×H): unlimited × max. 5000 mm (Fixed glazing fuego light (W×H): unlimited × max. 4000 mm)			
	RC3				
Fittings and accessories	RC2	Single locking Clipped/screwed glazing beads Attached and concealed flush door fittings			
	RC3	Safety multi-point lock Screwed glazing beads Attached and concealed flush door fittings			
System features	Revolving door, 1-/2-leaf, with optional sidelight	RC2	•	•	•
		RC3	•	•	•
	Fixed glazing	RC2	•	•	•
		RC3	•	•	•
Alternative glazing versions	Sheet metal door/ sheet metal panels	RC2	•	•	•
		RC3	•		•
	Anti-panic function on active leaf and inactive leaf	RC2	•	•	•
		RC3	•	•	•
Sustainability	Threshold-free/ barrier-free	RC2	•	•	•
		RC3	•	•	•
	EPD	RC2	P4A/P6B**	P4A/P8B**	P4A/P8B**
		RC3	P5A/P8B**	P5A/P8B**	P5A/P8B**
LCES	EPD	•	•	•	•
	LCES	•			

\*Only available as customised solution on request

\*\*Glazing variant depending on the requirements for escape and emergency routes

Notes:

- Forster also offers solutions from RC1 to RC2 N
- Take note of the country-specific approvals and requirements



# Steel is our nature.

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**For us, steel is a matter of the heart. We develop long-lasting systems for attractive and energy-efficient architecture.**

Forster Profile Systems develops and manufactures safe, energy-efficient solutions in steel and stainless steel for doors, windows and facades in Switzerland. Forster works with its own branches in over 20 countries – and exclusive sales partners in around 10 more. In-house consultants are on hand to assist our customers at sites ranging from Europe and the Middle East to Asia and North America. Forster systems are used for building shells and interiors. This includes market-leading solutions that meet

the strictest requirements and standards in terms of thermal insulation, plus safety applications such as fire protection, burglar resistance and bullet resistance. The product range is rounded off by matching accessories. Our customers and business partners in architecture, planning and construction can also count on comprehensive services for their respective industry.

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**forster**