

# forster fuego light

Doors and  
fixed glazing

**forster**

**forster  
fuego  
light  
EI30**



Door



Sheet metal door



Fixed glazing

**forster  
fuego  
light  
EI60**



Door



Sheet metal door



Fixed glazing

**forster  
fuego  
light  
EI90**

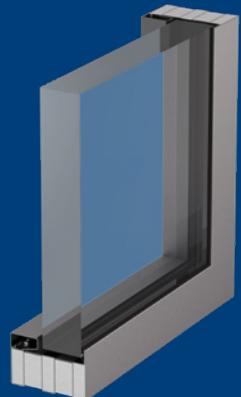


Door



Fixed glazing

**forster  
fuego  
light  
EI120**



Fixed glazing

# Fire protection, burglary resistance, design – all in one system.

Our multifunctional thermally decoupled system with cooling fire protection fillings for preventive fire and smoke protection indoors. Narrow face widths provide plenty of natural light in the room.

Doors from the forster fuego light system with fire and smoke protection, burglary and bullet resistance meet the highest safety requirements and also do so when combined. Wide range of options enable a broad range of applications. With this multi-functional solution, high leaf weights can be implemented, even in high-footfall buildings.

The floor-to-ceiling glazing and partition walls of the forster fuego light system also meet the highest safety requirements. The thermally decoupled glazing is optionally available with burglary and bullet resistance. Thanks to its filigree look, it offers a wide range of applications and a high degree of freedom of design, e.g. through the use of butt joint glazing.

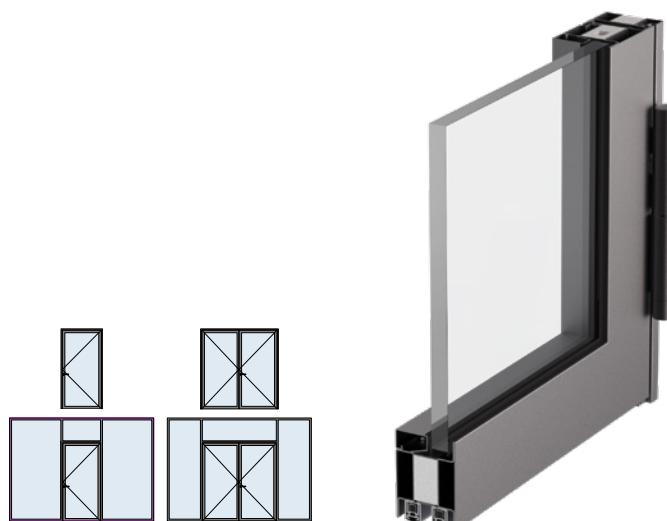
# forster fuego light EI30 doors

## Safety without compromise

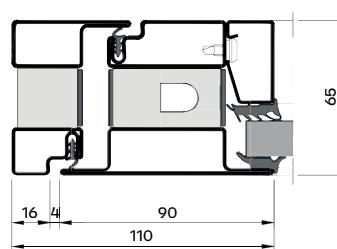
The safe forster fuego light system for single and double-leaf doors and glazings with the EI30 fire-retardant property can be combined with smoke protection, burglar resistance and bullet resistance, also offering narrow sight lines like in the forster unico, presto and omnia systems. The heavy leaf weights can be held by a maximum of three hinges and are tested with automatic door openers to up to one million opening cycles – ideal for use in high-footfall areas.

### Your benefits

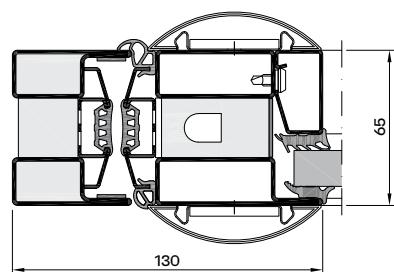
- Multifunctional solution
- Tested to one million opening cycles
- Made from steel or stainless steel



Frame-leaf combination



Hinge-side anti-finger-trap profile



### Technical specifications

#### Fire resistant door EI30

##### Material variants

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

##### Dimensions

Inside width single-leaf (W×H): max. 1400 × 3000 mm

Inside width double-leaf (W×H): max. 2830 × 3000 mm

##### Fittings

Attached and concealed flush fittings

Max. leaf weight 420 kg

Mechanical and motorised lock solutions

##### System features

###### Design variants:

Side-hung door with single/double-leaf, with optionally sidelight and fanlight

Optional version with hinge-side anti-finger-trap profile according to EN 18650

Non-rebated and non-latched versions

Structural depth 65 mm

Max. filling element thickness 53.5 mm

Steel glazing beads

Wet and dry glazing

##### Performance characteristics\*

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

Fire protection: EI30 according to EN 1634-1

Smoke protection: S<sub>a</sub> or S<sub>200</sub> according to EN 1634-3

###### Durability of self-closing properties:

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

Burglary resistance: RC2/3 according to EN 1627

Bullet resistance: FB4 NS according to EN 1522

Sound insulation up to R<sub>w</sub> = 45 dB according to EN ISO 140-3



Multi-functional



Fire resistance



Durability



Low carbon emission steel



Environmental Product Declaration

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

## Flush sheet metal fire resistant door EI30

### Material variants

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

Steel zinc magnesium

Brushed stainless steel

### Face widths

Frame from 20 mm

### Dimensions

Inside width single-leaf (W×H): max. 1400 × 2800 mm

Inside width double-leaf (W×H): max. 2600 × 2800 mm

### Fittings

Attached and concealed flush fittings

Max. leaf weight 420 kg

Mechanical and motorised lock solutions

### System features

Design variants:

Side-hung door with single/double-leaf, with optionally sidelight and fanlight

Optional version with glass section in door leaf in different shapes

Structural depth 65 mm

Mineral wool filling with only 85 kg<sup>3</sup>

### Performance characteristics\*

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

Fire protection: EI30 according to EN 1634-1

Smoke protection: S<sub>0</sub> or S<sub>200</sub> according to EN 1634-3

Durability of self-closing properties:

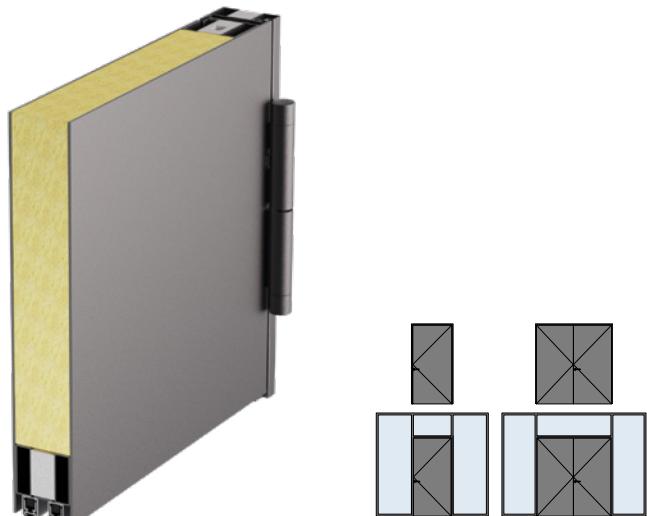
Class 8 according to EN 12400 (tested up to 1 million cycles according to EN 1191 with automatic door opener)

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

Burglary resistance: RC2/3 according to EN 1627

Bullet resistance: FB4 NS according to EN 1522

Sound insulation up to R<sub>w</sub> = 49 dB according to EN ISO 140-3



Multi-functional



Fire resistance



Durability

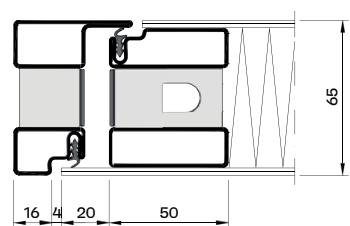


Low carbon emission steel



Environmental Product Declaration

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



Frame-leaf combination  
Sheet metal doors

# forster fuego light EI30 fixed glazing

## Flexibility meets safety

With fixed glazing from the forster fuego light system, you can create floor-to-ceiling fixed glazing in corridors, foyers and other interior areas open to the public. The robust double-shell construction is approved for heights of up to 5 m and is fire-retardant up to protection class EI30. In addition to the classic fixed glazing, elegant butt joint glazing (without transoms) is also possible. The fixed glazing can optionally be combined with burglary or bullet resistance. Single and double-leaf doors can also be integrated with forster fuego light.

### Your benefits

- Fire resistance class up to EI30
- Burglary resistance RC2 / RC3
- Bullet resistance FB4

### Technical specifications

#### Material variants

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

Steel zinc magnesium

Brushed stainless steel

#### Face widths

Frame profiles from 50 mm

Transom profiles from 70 mm

#### Dimensions

Fixed glazing (W×H): unlimited × max. 5000 mm

#### System features

Design variants:

Fixed glazing with dividing transoms

Butt joint glazing

Corner designs

Structural depth 65 mm

Max. filling element thickness 53.5 mm

Steel glazing beads

Wet and dry glazing

#### Performance characteristics\*

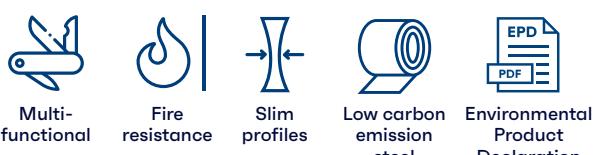
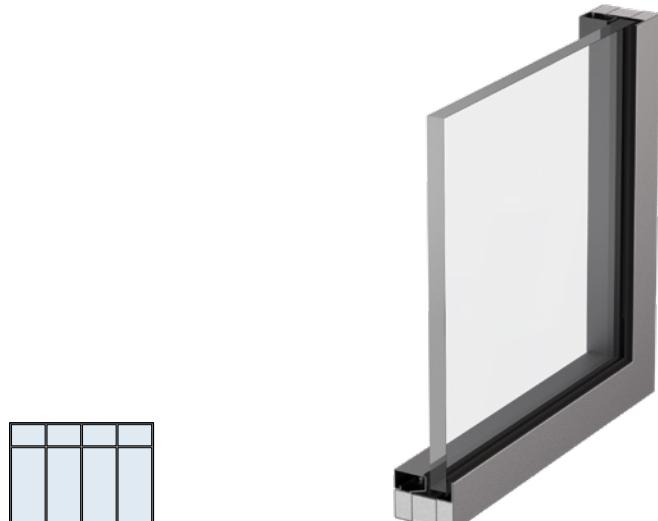
Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804

Fire protection: EI30 according to EN 1634-1

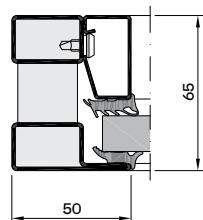
Burglary resistance: RC2/3 according to EN 1627

Bullet resistance: FB4 NS according to EN 1522

Sound insulation up to  $R_w = 48$  dB according to EN ISO 140-3



Fixed glazing  
frame profile



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



forster fuego light fire resistant door, Inselspital Bern, Switzerland

Picture: Hammer Metall



forster fuego light flush sheet metal fire resistant door, Tabakfabrik Linz, Austria  
Picture: Martin Steinkellner

**For us, sustainability means enabling buildings to have a long service life in today's fast-paced world.**





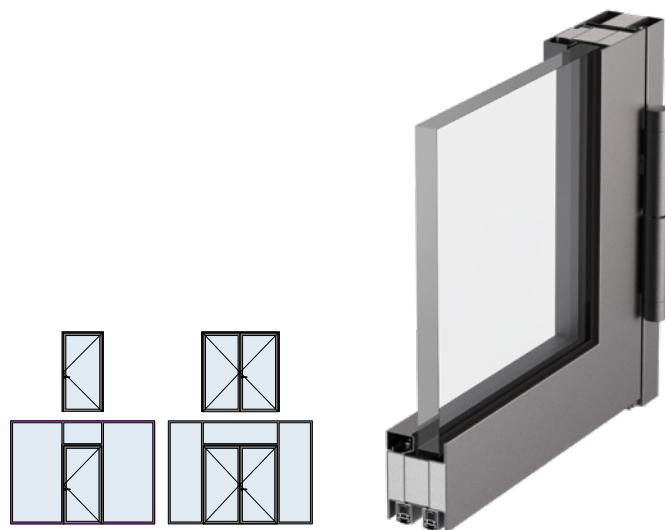
# forster fuego light EI60 doors

## Elegance meets resilience

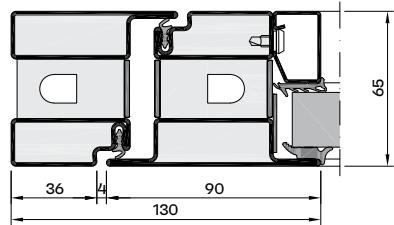
The extensively tested forster fuego light EI60 fire-resistant doors for single and double-leaf doors and glazings cut an impressive visual figure thanks to their narrow face widths. The heavy leaf weights can be held by just three hinges and are tested with automatic door openers to up to one million opening cycles – ideal for use in high-footfall areas.

### Your benefits

- Multifunctional solution
- Highly fire-retardant
- Tested to one million opening cycles



Frame-leaf combination



### Technical specifications

#### Fire resistant door EI60

##### Material variants

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

##### Dimensions

Inside width single-leaf (W×H): max. 1400 × 2890 mm

Inside width double-leaf (W×H): max. 2830 × 2890 mm

##### Fittings

Attached and concealed flush fittings

Max. leaf weight 420 kg

Mechanical and motorised lock solutions

##### System features

###### Design variants:

Side-hung door with single/double-leaf, with optionally sidelight and fanlight

Non-rebated and non-latched versions

Structural depth 65 mm

Max. filling element thickness 53.5 mm

Steel glazing beads

Wet and dry glazing

##### Performance characteristics\*

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

Fire protection: EI60 according to EN 1634-1

###### Durability of self-closing properties:

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

Sound insulation up to  $R_w = 47$  dB according to EN ISO 140-3



Multi-functional



Fire resistance



Durability



Low carbon emission steel



Environmental Product Declaration

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

\*\* On request

## Flush sheet metal fire resistant door EI60

### Material variants

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

Steel zinc magnesium

### Face widths

Frame from 40 mm

### Dimensions

Inside width single-leaf (W×H): max. 1400 × 2600 mm

Inside width double-leaf (W×H): max. 2600 × 2600 mm

### Fittings

Attached and concealed flush fittings

Max. leaf weight 420 kg

Mechanical and motorised lock solutions

### System features

Design variants:

Side-hung door with single/double-leaf, with optionally sidelight and fanlight

Optional version with glass section in door leaf in different shapes

Structural depth 65 mm

Filling based on a fermacell board and mineral wool

### Performance characteristics\*

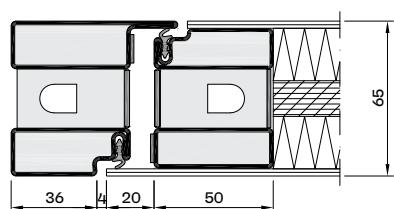
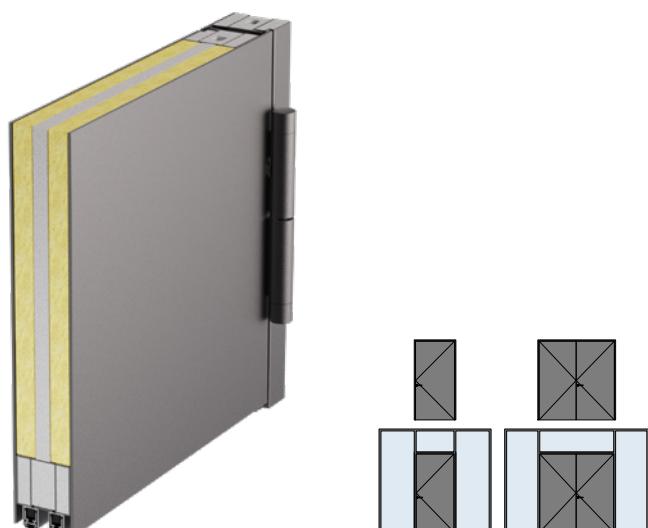
Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804

Fire protection: EI60 according to

Durability of self-closing properties:

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 anti-panic) according to EN 179 and EN 1125



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

Frame-leaf  
combination  
Sheet metal  
doors

# forster fuego light EI60 fixed glazing

## Slim profile design, strong protection

With fixed glazing from the forster fuego light system, you can create floor-to-ceiling fixed glazing in corridors, foyers and other interior areas open to the public. The robust, particularly slim double-shell profile design is approved for heights of up to 4 m and is fire-retardant up to protection class EI60. The product is also available as butt joint glazing without transom. The fixed glazing can be optionally combined with RC3 burglary resistance. Single and double-leaf doors can also be integrated with forster fuego light.

### Your benefits

- Fire resistance class up to EI60
- Burglary resistance RC2 / RC3
- Slim profile faces

### Technical specifications

#### Material variants

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

Steel zinc magnesium

Brushed stainless steel\*\*

#### Face widths

Frame profiles from 50 mm

Transom profiles from 70 mm

#### Dimensions

Fixed glazing (W×H): unlimited × max. 4000 mm

#### System features

Design variants:

Fixed glazing with dividing transoms

Butt joint glazing

Corner designs

Structural depth 65 mm

Max. filling element thickness 53.5 mm

Steel glazing beads

Wet and dry glazing

#### Performance characteristics\*

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

Fire protection: EI60 according to EN 1634-1

Burglary resistance: RC2/3 according to EN 1627

Sound insulation up to  $R_w = 48$  dB according to EN ISO 140-3



Multi-functional



Fire resistance



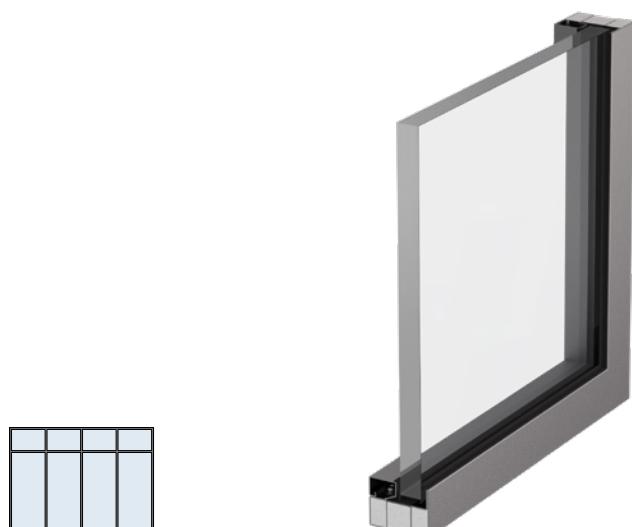
Slim profiles



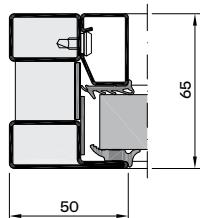
Low carbon emission steel



Environmental Product Declaration



Fixed glazing frame profile



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

\*\* On request



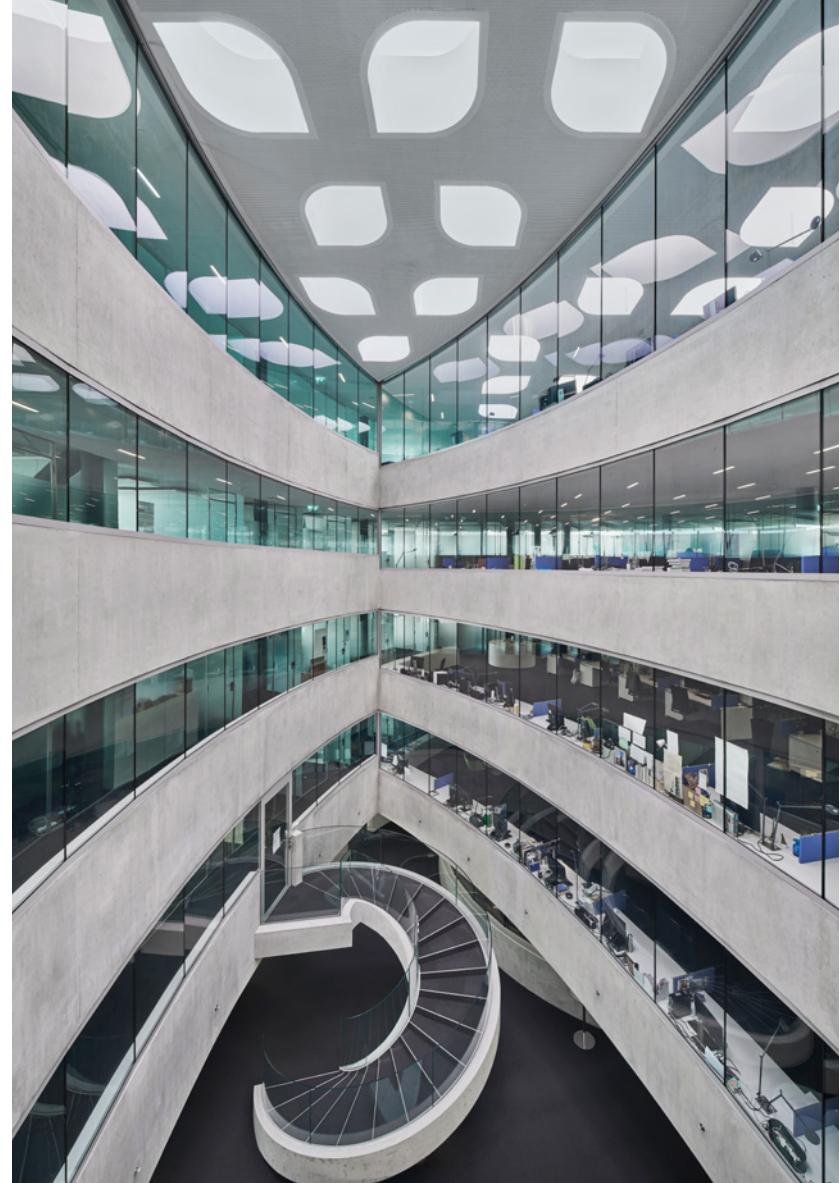
*forster fuego light butt joint glazing, Spital Langenthal, Switzerland*  
Picture: Born Fritz AG



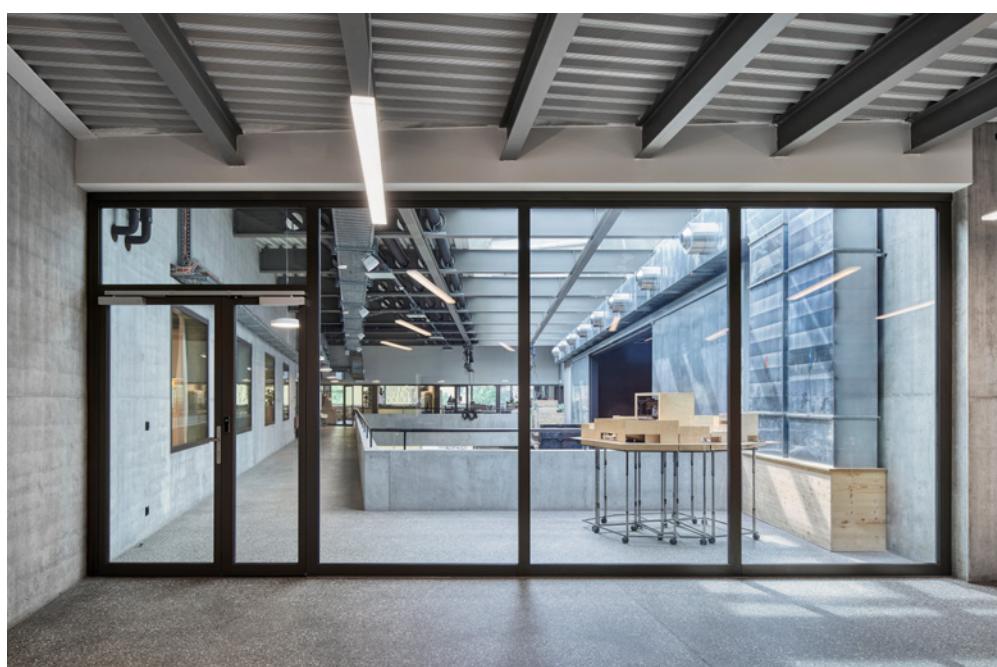
*forster fuego light fixed glazing, Olly-Schwarz Schule, Vienna, Austria*  
Picture: Rupert Steiner



*forster fuego light fire resistant door in glazing, Zentrum Biffig, Schötz, Switzerland  
Picture: Damian Poffet*



forster fuego light butt joint glazing, Maison de la Paix, Geneva, Switzerland  
Picture: Damian Poffet



forster fuego light fire resistant door in glazing, Théâtre de Carouge, Switzerland  
Picture: Damian Poffet

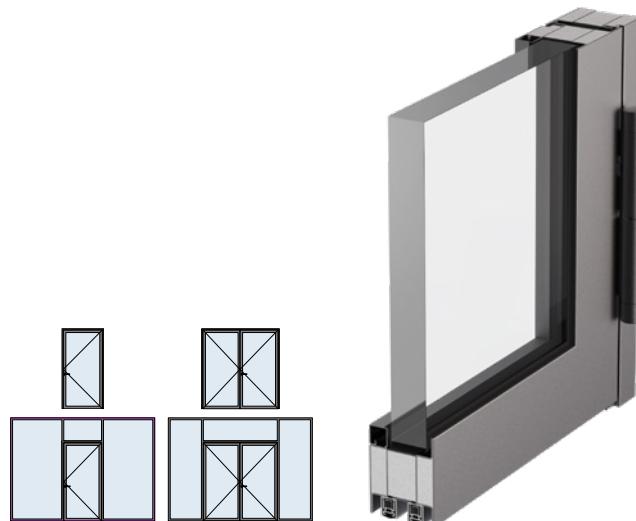
# forster fuego light EI90 door

## Maximum safety for high-footfall areas

The filigree forster fuego light fire protection door system for single and double-leaf doors and glazings offers the maximum safety thanks to its 90 minutes of fire resistance and smoke tightness. The side-hung door system has been tested extensively and has proven itself in continuous operation in high-footfall areas.

### Your benefits

- Fire resistance class EI90
- Tested to one million opening cycles
- Multifunctional solution



Frame-leaf combination

### Technical specifications

#### Material variants

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

Steel zinc magnesium

#### Face widths

Door leaf with frame from 110 mm

#### Dimensions

Inside width single-leaf (W×H): max. 1450 × 2890 mm

Inside width double-leaf (W×H): max. 2830 × 2500 mm

#### Fittings

Attached fittings

Max. leaf weight 420 kg

Mechanical and electronic handle-controlled locks

#### System features

Design variants:

Side-hung door with single/double-leaf, with optionally sidelight and fanlight

Structural depth 70 mm

Max. filling element thickness 59 mm

Steel glazing beads

Wet and dry glazing

#### Performance characteristics\*

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

Fire protection: EI90 according to EN 1634-1

Smoke protection: S<sub>0</sub> or S<sub>200</sub> according to EN 1634-3

Durability of self-closing properties:

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

Sound insulation up to R<sub>w</sub> = 47 dB according to EN ISO 140-3



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

# forster fuego light EI90 fixed glazing

## Maximum safety in a slim form

With floor-to-ceiling fixed glazing from the forster fuego light system, you can design corridors, foyers and other interior areas open to the public. The robust, particularly slim double-shell profile design is approved for heights of up to 4 m and is fire-resistant up to fire protection class EI90. Single and double-leaf doors can be optimally integrated with forster fuego light.

### Your benefits

- Fire resistance class up to EI90
- Good acoustic performance
- Slim profile faces

### Technical specifications

#### Material variants

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

Steel zinc magnesium

#### Face widths

Frame profiles from 50 mm

Transom profiles from 90 mm

#### Dimensions

Fixed glazing (WxH): unlimited x max. 4000 mm

#### System features

Design variants:

Fixed glazing with dividing transoms

Structural depth 70 mm

Max. filling element thickness 59 mm

Steel glazing beads

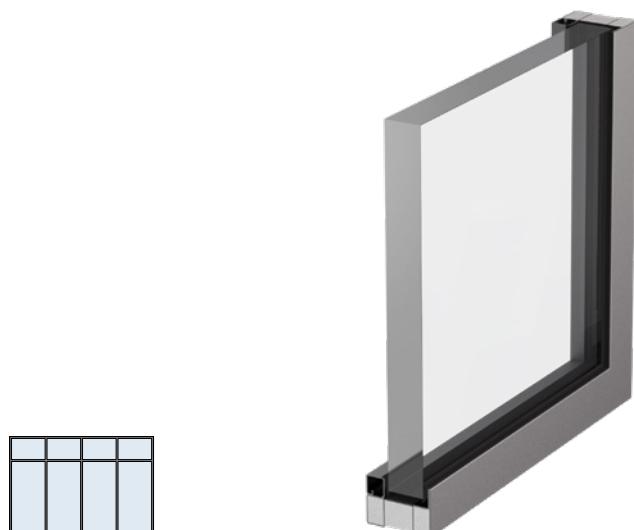
Wet and dry glazing

#### Performance characteristics\*

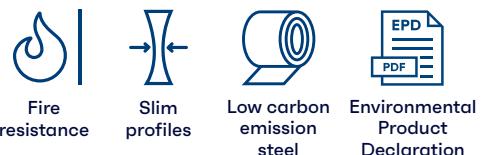
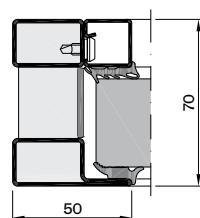
Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804

Fire protection: EI90 according to EN 1634-1

Sound insulation up to  $R_w = 48$  dB according to EN ISO 140-3



Fixed glazing frame profile



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

# forster fuego light EI120 fixed glazing

## Strong protection, flexible design

With 120 minutes of fire resistance, glass partition walls with the forster fuego light system can be used everywhere there is a very high risk of fire. For example, the system can be used to separate office rooms from production, store rooms, or stairs/lift accesses to underground car parks. The system offers design freedom thanks to opaque or transparent fillings, which can also be implemented as butt joint glazing.

### Your benefits

- Fire resistance class EI120
- Filigree design
- Greatest structural depth for glazing

### Technical specifications

#### Material variants

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

Steel zinc magnesium

#### Face widths

Frame profiles from 70 mm

Transom profiles from 90 mm

#### Dimensions

Fixed glazing (W×H): unlimited × max. 4900 mm

#### System features

Design variants:

Fixed glazing with dividing transoms

Butt joint glazing

Structural depth 110 mm

Max. filling element thickness 82 mm

Steel glazing beads

Wet and dry glazing

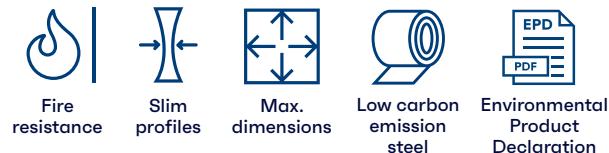
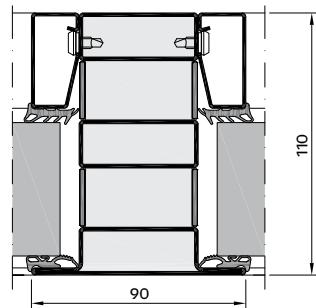
#### Performance characteristics\*

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

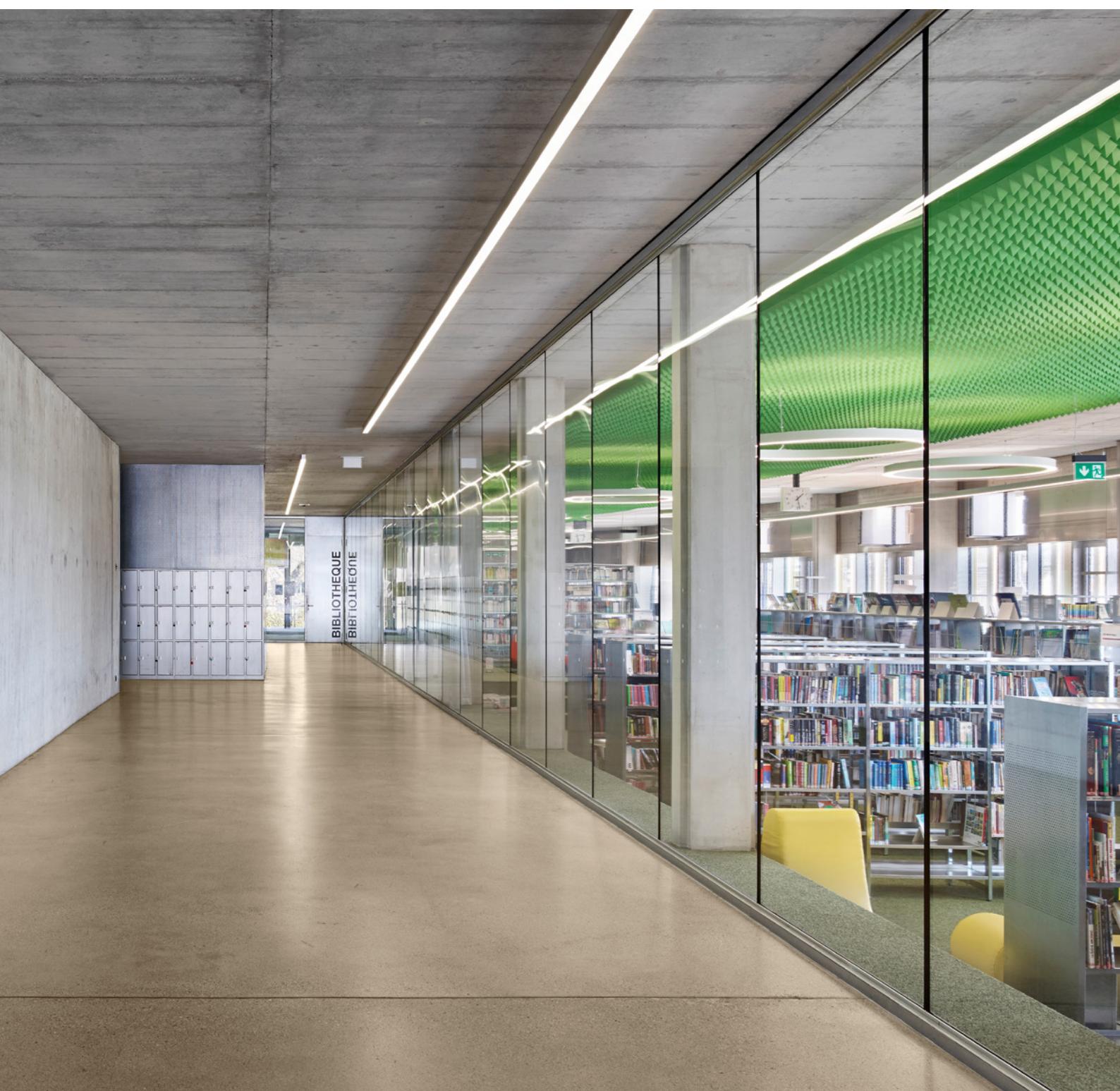
Fire protection: EI120 according to EN 1634-1



Fixed glazing transom profile



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



*forster fuego light butt joint glazing, Collège du Martinet, Switzerland*  
Picture: Damian Poffet

# 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 across 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. These include market-leading solutions that meet the most stringent requirements and standards for thermal insulation and safety applications such as fire protection, burglary 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**