

forster unico xs

forster unico xs Filigree elegance

Our sustainable premium system made from 100% steel impresses with its extremely narrow face widths, high insulation values and variety of application options. The qualities of the filigree profiles come to the fore in both new and historic buildings – they not only ensure maximum light, but also meet the highest standards in terms of minimalist elegance and modern energy efficiency.

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As a result, forster unico xs opens the door to completely new design possibilities and allows for building shells to be constructed in a uniform design, whether new and pioneering or historic and in line with listed building requirements.





forster unico xs doors

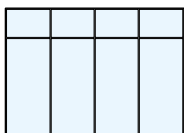
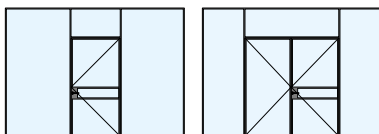
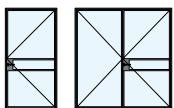
Slim, energy efficient, flexible

Single-leaf and double-leaf doors with forster unico xs are characterised by uniquely narrow face widths. They bring together high-quality design with outstanding insulation values and sound insulation of up to 46 dB. In terms of building safety, the system also comes in a robust yet filigree version for use as an anti-panic door. Thanks to the freely bendable profiles, they are suitable for both renovations in line with requirements for listed buildings and high-quality new buildings.

The highly thermally insulated profile design of the narrowest flush doors in the Forster portfolio is made entirely from steel. As a result, the system offers maximum freedom of design, from selection of the geometry through to the combination with different glazing beads. The result is creative scope for solutions that are both aesthetic and have optimal energy efficiency.

Your benefits

- Extremely narrow face widths
- High thermal insulation
- Exceptional freedom of design on the building shell



Technical specifications

Material variants

Available as CO₂-reduced low carbon emission steel
Steel zinc magnesium

Face widths

Door leaf with frame from 65 mm

Fixed glazing from 23 mm

Dimensions

Inside width single-leaf (W×H):

20 mm profile width: max. 1200 x 2400 mm

30 mm profile width: max. 1300 x 2750 mm

50 mm profile width: max. 1400 x 3000 mm

Inside width double-leaf (W×H):

20 mm profile width: max. 2400 x 2400 mm

30 mm profile width: max. 2600 x 2750 mm

50 mm profile width: max. 2800 x 3000 mm

Fittings

Attached fittings

Max. leaf weight 160 kg

System features

Design variants:

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

Fixed glazing

Insulated door threshold

Structural depth 70 mm

Max. filling element thickness 42 mm

Glazing beads in aluminium and steel

Wet and dry glazing

Performance characteristics*

CE/UKCA marking according to EN 14351-1

Thermal insulation U_i to 2.2 W/(m²·K)

Durability of self-closing properties: Class 6 according to EN 12400 (tested up to 200,000 cycles according to EN 1191)

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

Resistance to wind loads: Class B2/C2 according to EN 12210

Watertightness: Class 2A according to EN 12208

Air permeability: Class 2 according to EN 12207

Operating forces: Class 3 according to EN 12217

Barrier-free according to DIN 18040

Sound insulation up to $R_w = 46$ dB according to EN ISO 140-3

* Take note of the country-specific approvals and requirements



Low carbon
emission steel



EPD



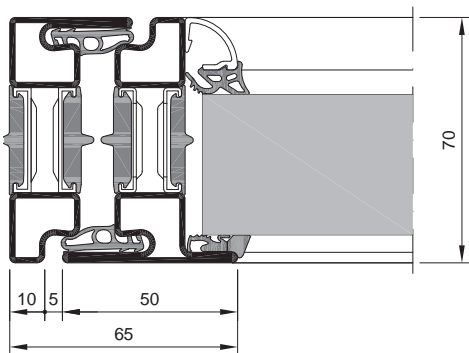
100% steel



Slim
profiles



Insulation



Door leaf frame

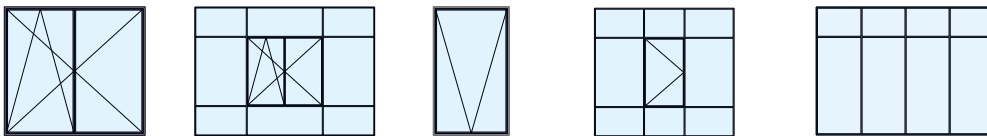


forster unico xs windows

Versatile profiles for the highest standards

The forster unico xs system is made from 100% steel and dispenses entirely with synthetic insulating materials. Numerous versions allow for outstanding flexibility, from outward-opening top-hung and turning windows to inward-opening turn/tilt-turn windows and fixed glazing. The extremely filigree yet robust system allows for leaf sizes of up to 1440 x 2440 millimetres on turning windows and even up to 2378 x 2378 millimetres on outward-opening windows. The advantages of the freely bendable profiles are exploited to the full both in new buildings and in listed industrial buildings. The result is rooms that are filled with natural light and feature diverse creative qualities.

The outward-opening window types combine recessed geometries with scissor fittings that limit the opening angle sensibly. The inward-opening windows are available as flush solutions and can also be designed with Class RC2 burglary resistance on request. A frameless design is also available for meeting the highest standards.



Your benefits

- Extremely narrow face widths
- Flush and recessed versions
- Exceptional freedom of design on the building shell



Low carbon emission steel



EPD



100% steel



Slim profiles



Insulation

Technical specifications

Inward-opening windows

Material variants

Available as CO₂-reduced low carbon emission steel
Bright steel
Steel zinc magnesium

Face widths

Window sash and overlapping casement from 55 mm
Fixed glazing from 23 mm

Dimensions

Max. leaf width: 1440 mm
Max. leaf height: 2440 mm
Fixed glazing (W×H): unlimited × max. 3000 mm

Fittings

Attached and concealed flush fittings
Historic reproduction fittings
Max. leaf weight 100 kg, 150 kg on request

System features

Design variants:
Turn/tilt and turn/tilt only windows, single/double leaf, with optional sidelight and fanlight
Fixed glazing
Optionally as a French window
Structural depth: Leaf profile 88 mm, frame profile 70 mm, max. filling element thickness 60 mm
Glazing beads in aluminium and steel
Wet and dry glazing
Surface treatment with hot-dip galvanizing approved

Performance characteristics*

CE/UKCA marking according to EN 14351-1
Thermal insulation: U_w value up to 0.8 W/(m²·K)
Mechanical load: Class 2 according to EN 12400 (10,000 cycles EN 1191)
Burglary resistance: RC2 according to EN 1627
Resistance to wind loads: Class B5/C5 according to EN 12210
Watertightness: Class E1050 according to EN 12208
Air permeability: Class 4 according to EN 12207
Impact resistance: Class 4 according to EN 13049
Operating forces: Class 2 according to EN 13115
Sound insulation up to R_w = 47 dB according to EN ISO 140-3

* Take note of the country-specific approvals and requirements

Outward-opening windows

Material variants

Available as CO₂-reduced low carbon emission steel
Bright steel
Steel zinc magnesium

Face widths

Window sash with frame from 110 mm
Fixed glazing from 50 mm

Dimensions

Top-hung window:
Max. leaf width: 2378 mm
Max. leaf height: 2378 mm
Max. surface: 1.85 m²
Turning window:
Max. leaf width: 778 mm
Max. leaf height: 1528 mm
Fixed glazing (W×H): unlimited × max. 3000 mm

Fittings

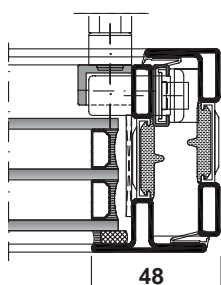
Attached and concealed flush fittings
Historic reproduction fittings
Max. leaf weight 180 kg

System features

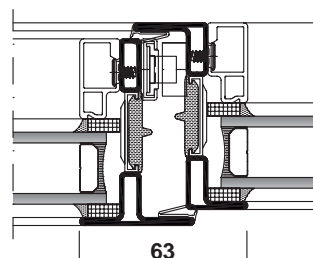
Design variants:
Single leaf, with optional sidelight and fanlight
Fixed glazing
Structural depth: Leaf profile 70 mm, frame profile 70 mm, max. filling element thickness 42 mm
Glazing beads in aluminium and steel
Wet and dry glazing
Surface treatment with hot-dip galvanizing approved

Performance characteristics*

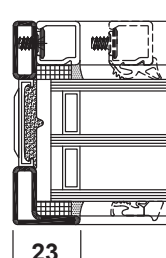
CE/UKCA marking according to EN 14351-1
Thermal insulation: U_f value up to 1.2 W/(m²·K)
Resistance to wind loads: Class B4/C4 according to EN 12210
Watertightness: Class E1350 according to EN 12208
Air permeability: Class 4 according to EN 12207
Operating forces: Class 1 according to EN 13115
Sound insulation up to R_w = 34 dB according to EN ISO 140-3



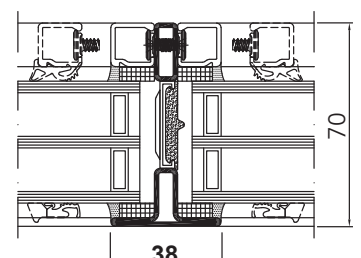
Window sash and frame



Window sash and fixed glazing



Fixed glazing



Fixed glazing

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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