

# Fluid.

## Steel Window/Door

Our **original** glazing collection, combining clean design, reliable performance, and timeless simplicity. Built for everyday elegance and modern architectural clarity.

Specialising in architectural and structural glazing, we're proud to contribute to some of the most prestigious construction projects across the UK.

We believe that each pane of glass we install is a testament to our unwavering commitment to superior craftsmanship and exceptional service. We collaborate closely with architects, designers, and builders to ensure that every project we undertake is not just completed, but elevated to a new standard of elegance and durability.

Experience the clarity of vision and the integrity of service that define Fluid Glass, where every detail is a reflection of our promise to you.



Our process is driven by the hands and hearts of passionate artisans who bring the finishing touches to your architectural glass projects. We believe in authentic materials and genuine quality. We believe in our team — individuals who work each day with precision, enthusiasm, and care to make your project something unique and extraordinary.

*Jake*

*Adam*

*Valerio*



# Steel Window/Door.

## Benefits.

The Fluid Steel Window/Door system combines timeless visual appeal with cutting-edge thermal performance. Built around ultra-slim steel profiles, it offers a refined architectural solution for projects that demand elegance, durability, and versatility. Suitable for both heritage restorations and contemporary design, Fluid Steel delivers expansive glazed areas, minimalist sightlines, and enduring material quality. With a wide range of opening types and configurations, it provides design freedom without compromising performance.

# Steel Door. Information.

Fluid Steel offers a choice of powder-coated, stainless, or Corten finishes with multiple glazing bead options for heritage or contemporary projects. Its slim profiles support unit thicknesses up to 47mm, with performance tested to the highest standards.

## Options

- ✓ Powder coated (RAL)
- ✓ Stainless steel (1.4401)
- ✓ Corten steel options
- ✓ Glazing beads (right-angled, bevelled, scotia, flat)
- \* For aesthetic matching in heritage projects

## Features

- ◆ CE marking up to 1570 x 1570 mm
- ◆ Galvannealed steels with a zinc-iron layer (ZF)
- ◆ Slim profiles
- ◆ Unit thicknesses from 10 to 47 mm

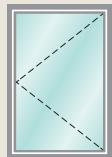
## Performance

- ◆ Uw value from 0.8 W/m<sup>2</sup>K
- ◆ Acoustic 45 dB
- ◆ Tested burglary resistance: up to RC2
- ◆ Mechanical strength tested (EN 13115)
- ◆ Impact resistance (EN 13049)
- ◆ Multi-point window locking
- ◆ High-traffic durability class 7 (500,000 cycles)

# Steel Window/Door.

## Configurations.

Side-hung  
Inward opening

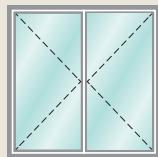


### Single-vent

Max. dimensions: 970 × 2370 mm (FFB×FFH)

Min. dimensions: 370 × 370 mm (FFB×FFH)

Max. vent weight: 150 kg



### Double-vent

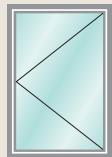
Max. dimensions: 1970 × 2370 mm (RFB×FFH)

Min. dimensions: 720 × 560 mm (RFB×FFH)

Access leaf min. FFB 420 mm

Max. vent weight: 150 kg

Side-hung  
Outward opening

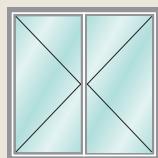


### Single-vent

Max. dimensions: 970 × 2370 mm (FFB×FFH)

Min. dimensions: 470 × 370 mm (FFB×FFH)

Max. vent weight: 150 kg



### Double-vent

Max. dimensions: 1970 × 2370 mm (RFB×FFH)

Min. dimensions: 820 × 670 mm (RFB×FFH)

Access leaf min. FFB 520 mm

Max. vent weight: 150 kg

FFB = Vent rebate width

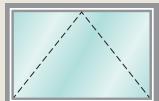
FFH = Vent rebate height

RFB = Frame rebate width

# Steel Window/Door.

## Configurations.

Bottom-hung  
Inward opening

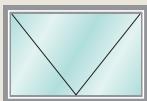


Max. dimensions: 2370×970 mm (FFB×FFH)  
Min. dimensions: 370 × 370 mm (FFB×FFH)

Max. vent weight: 60 kg

Use weld-on hinges 555.483

Top-hung  
Outward opening



Max. dimensions: 1620×650 mm (FFB×FFH)  
Min. dimensions: 370 × 470 mm (FFB×FFH)

Max. vent weight: 60 kg

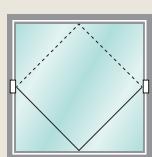
Projected top-hung  
Outward opening



Max. dimensions: 1160 × 1410 mm (FFB×FFH)  
Min. dimensions: 300 × 300 mm (FFB×FFH)

Max. vent weight: 60 kg

Horizontal pivot  
Inward/outward opening



Max. dimensions: 1370 × 1570 mm (FFB×FFH)  
Max. surface 1.1881 m<sup>2</sup>

Min. dimensions:

Manual: 370 × 570 mm (FFB×FFH)

Electric: 470/670 × 370 mm (FFB×FFH)

Max. vent weight: 100 kg

FFB = Vent rebate width

FFH = Vent rebate height

RFB = Frame rebate width

# Steel Window/Door.

## Design.

Every detail of the Fluid Steel system has been considered to deliver visual clarity and architectural rigour. The design language is defined by fine sightlines, expressive materiality, and adaptable configuration options that enhance both contemporary and classical settings.



### Timeless Minimalism

Whether powder coated, anodised, or finished in weathered Corten, each installation makes a subtle yet confident architectural statement. Mortice or multi-point locking, flush or expressed details, and a variety of handle options complete the system's bespoke design flexibility.

### Adaptable Configurations

From tall slender doors to wide multi-pane fixed glazing, Fluid Steel adapts to the specific demands of any space. Designed to work across scales and typologies, it can be specified to preserve existing character or deliver striking contrasts in modern additions.

# Steel Window/Door.

## Technology.

Beneath its minimal appearance, Fluid Steel is a highly engineered system. It balances strength, thermal performance, and acoustic control within slim profiles, delivering a glazing solution that exceeds modern expectations for comfort, security, and longevity.

### Performance Built In

Behind the refined profile is a robust, precision-engineered system. Welded steel frames with composite thermal breaks and high-performance glazing options achieve  $U_w$  values from 0.8 W/m<sup>2</sup>K and acoustic insulation up to 41dB. The system meets EN 14351-1 CE marking, EN 14024 profile standards, and EN 1627 RC2 security classifications. Door variants are available with thresholds or flush designs, and all components are tested for mechanical strength and impact resistance.



### Strength in Detail

With vent weights up to 150kg and sizes up to 3000 × 2500mm for sliding units, Fluid Steel handles scale effortlessly. Leaf and frame construction leverages welded steel profiles paired with glass fibre-reinforced plastics, creating long-lasting stability and improved insulation. Wet and dry glazing methods ensure versatility during fabrication, while optional multi-point locking enhances usability and security.

# Steel Window/Door. Materials.

ZF 100 galvannealed coatings provide enhanced corrosion resistance and cleaner welds with reduced smoke and sparking—now standard across all Fluid Steel profiles.



Surface finish ZF 100



Surface finish Z 275



Powder Coated



Stainless Steel



Corten

# Steel Window/Door. Architecture.

Fluid Steel is designed to bring slender steel-framed glazing into a new architectural era—preserving the character of traditional detailing while delivering modern structural and environmental performance. It lends itself equally well to sensitive renovations and bold contemporary expressions.

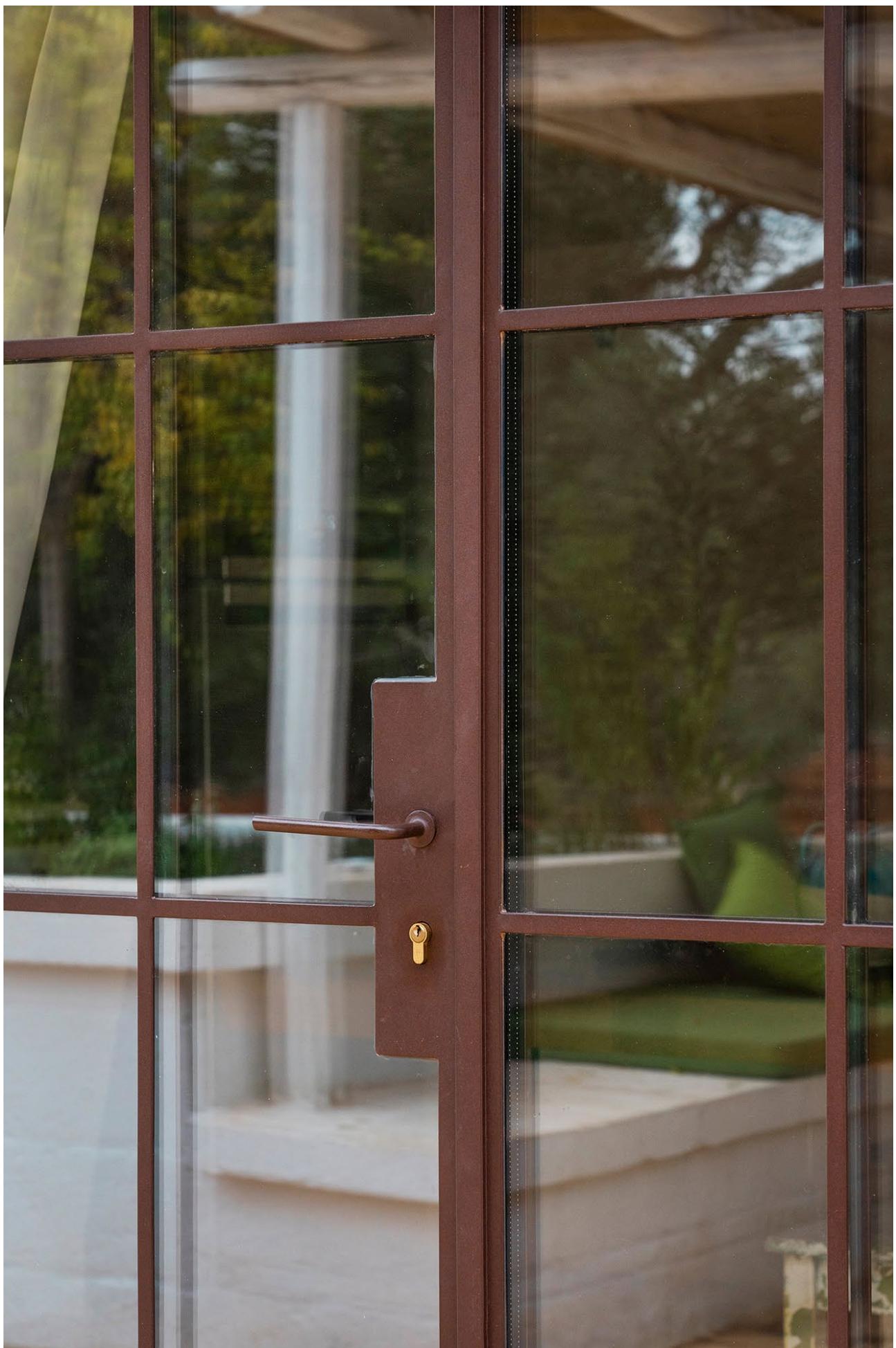
## Industrial Heritage, Modern Context

Originally developed to replicate traditional steel windows, Fluid Steel has evolved into a sophisticated glazing system suited to both restoration and new build contexts. Its 25–40mm sightlines allow light to pour into interiors while maintaining the proportions and detail of historic fenestration. The system's use of steel, stainless steel, or Corten profiles enables architects to specify by both aesthetic and environmental condition.

## Glazed Versatility

Fluid Steel offers inward and outward opening options for windows and doors—available as single or double vents—with vertical and horizontal pivot mechanisms, projected top-hung variants, and fixed glazing formats. Narrow face widths and large unit sizes enable elegant façade compositions, while the integrated weatherstrip groove and welded frame construction ensure both form and function align seamlessly.





# Steel Window/Door. Showroom.

By appointment only  
Unit 11, Orbital 25 Business Park  
Dwight Road, Watford, WD18 9DA



# Your project.

# Our passion.

Born from an initial desire to create something unique and extraordinary, taking our deep architectural experience and blending it with passion and technological expertise, our design thinking leads the charge in bespoke architectural glazing.