



EXTERNAL CATALOGUE



Black Steel Doors

is proud to be one of the leading suppliers of luxury interior and exterior steel doors and windows in the United Kingdom. Our products reflect a strong commitment to quality and innovation. From architectural design to bespoke manufacturing services, Black Steel Doors provides a truly tailored experience, ensuring every project meets the highest standards of craftsmanship and precision.

Windows and doors are key elements of any building contributing to healthier indoor living and a reduced environmental footprint.

Indoor Environmental Quality

Window technology has seen significant advancements over the past twenty years. Through the use of gas-filled double or triple glazing, low-emittance glass coatings, and thermally improved edge spacers, it is now possible to control solar gain, reduce condensation, prevent air leakage, and enhance indoor comfort. Windows and doors contribute to the indoor environmental quality of a home in three key ways:

Natural Light

Natural light benefits not only the health and wellbeing of a home's occupants but also reduces the need for electric lighting, particularly during daylight hours. It is recommended that natural light should illuminate at least 75% of a home's interior. To achieve this, homeowners can add more windows or glass doors, or replace existing ones with larger alternatives if space allows

Ventilation

Adequate ventilation is essential for maintaining good indoor air quality. Homeowners should consider the number, size, type, and positioning of windows and doors based on the home's orientation and exposure to prevailing breezes to ensure a steady supply of fresh air.

Minimising VOCs

Indoor air quality can be compromised by the presence of VOCs, which are emitted by substandard paints, adhesives, and sealants. Ensuring the use of high-quality, low-VOC materials will contribute to a healthier indoor environment.



Energy Efficiency

Steel frames are among the best choices for achieving energy efficiency in building design. A significant amount of energy flows in and out of a building through its windows, which can account for up to 30% of heat loss. With intelligent design and technological innovation, along with energy-efficient components, the use of steel frames can significantly reduce a building's energy consumption. The slim profiles of steel frames maximise the glass-to-frame ratio, allowing for better insulation.

Recyclability

Steel window profiles are made from nearly 100% recycled steel scrap. When steel windows reach the end of their life, they can be taken apart, and the frames, fittings, and glass can be recycled. Recycling steel helps conserve non-renewable resources and reduces waste. The eco-friendly benefits of steel windows are also acknowledged by the Building Research Establishment's "Green Guide".

Durability

One of the most significant attributes of a sustainable building product is how long it will last before it needs to be replaced. If a product needs to be replaced every 15 years, the product's overall environmental impact — and cost to the homeowner — is far greater than a product that may only need to be replaced every 30 or even 60 years. Many innovative designs of the Modern Movement, listed buildings commissioned by patrons of the Arts & Crafts Movement, civic monuments of the Edwardian era, and examples of 1930s Art Deco, are characterized by steel windows, which are still in good working order; this demonstrates the longevity of steel when properly serviced and maintained.

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External TB40

Black Steel Doors proudly presents this innovative thermally insulated profile system, a solution we have dedicated significant effort to develop over the years to meet the highest standards of design and performance. With its sleek face widths and environmentally friendly features, this profile reflects deep understanding of client needs, market trends, and ever-evolving regulations.

The inclusion of a thermal break positions this profile as a leader in energy efficiency, achieving an impressive U-value of up to 1.1, making it the perfect choice for both new builds and renovation projects.



SYSTEMS

- Hinged Doors
- Partitions
- Bifold Doors
- Windows
- Exclusive Arch Masterpieces

Maximum Leaf Width:

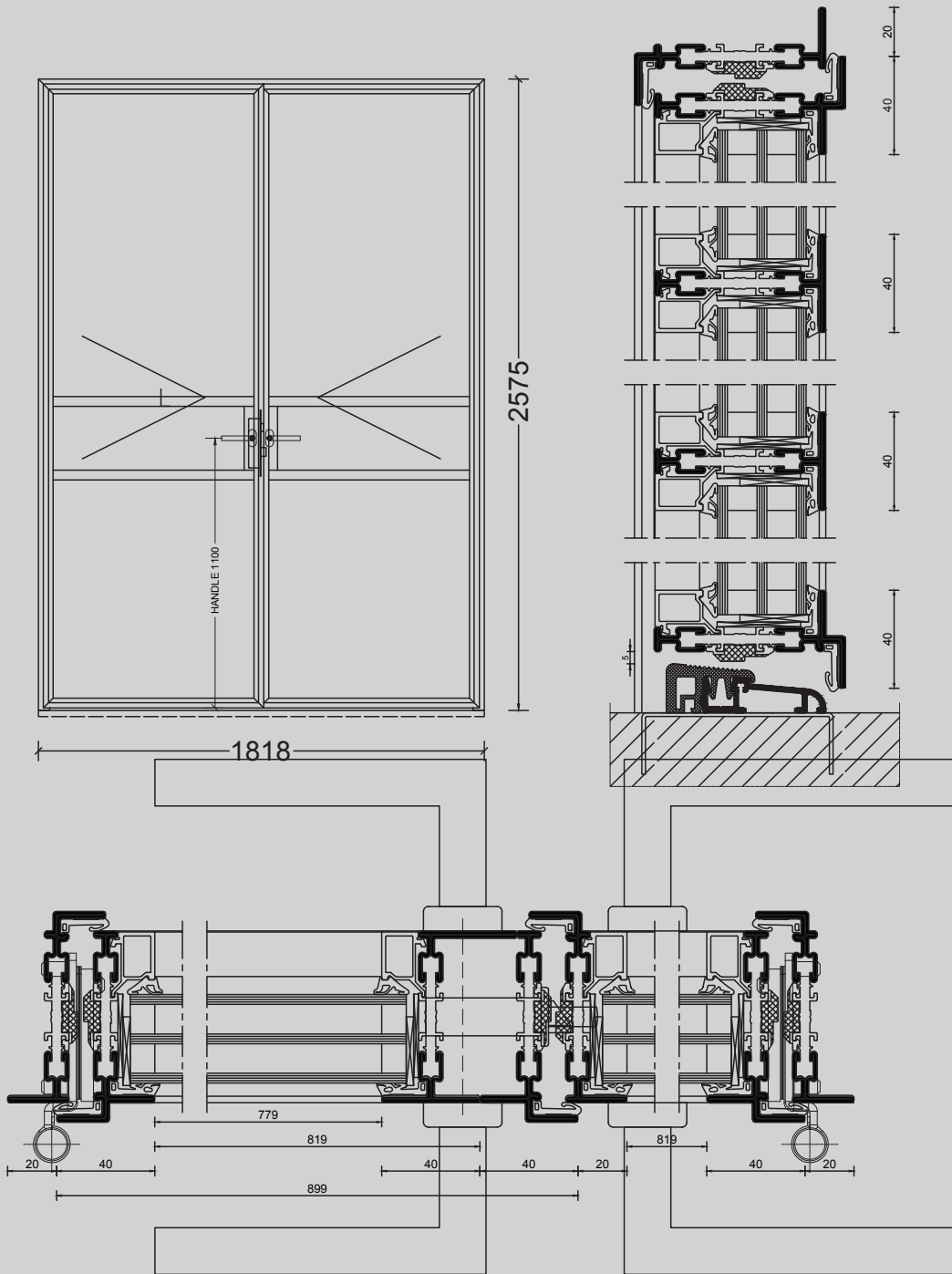
1000 mm

Maximum Height:

2800 mm

Available in double or triple glazing.





FEATURES

- The TB40 door system is engineered to withstand varying wind loads, meeting or exceeding industry standards, ensuring the structural integrity and stability of the doors even in challenging weather conditions.
- Emphasizing energy efficiency, the system features an insulated profile with a depth of 80mm and a sleek face width of 25mm, achieving a U-value of up to 1.1. This innovative design minimizes heat loss, making the doors an environmentally conscious choice and contributing to overall energy savings in buildings.
- With endless customization options available, the TB40 door system allows clients to tailor the design to their specific needs.
- Safety is prioritized with a multipoint locking mechanism, providing enhanced security.
- Options for astragal and construction bars are available, along with a variety of glass types and colours, ensuring a perfect fit for any project.



External W40

W40 profile pays homage to the timeless architectural style that has left a lasting impact since the early 20th Century, boasting a clean and elegant design. Setting itself apart from other profiles on the market, it stands as one of the few to employ the original hot-rolling production technique dating back to the late 19th Century.

With a wide array of robust steel profiles, W40 ensures unparalleled strength. The system offers the ability to craft large windows with minimalist frames, available in various opening configurations such as side-hung, bottom-hung, top-hung and folding options. This versatility empowers to create stunning window and door designs while maintaining the authentic charm of the early 20th Century architecture.



SYSTEMS

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Maximum Leaf Width:

1000 mm

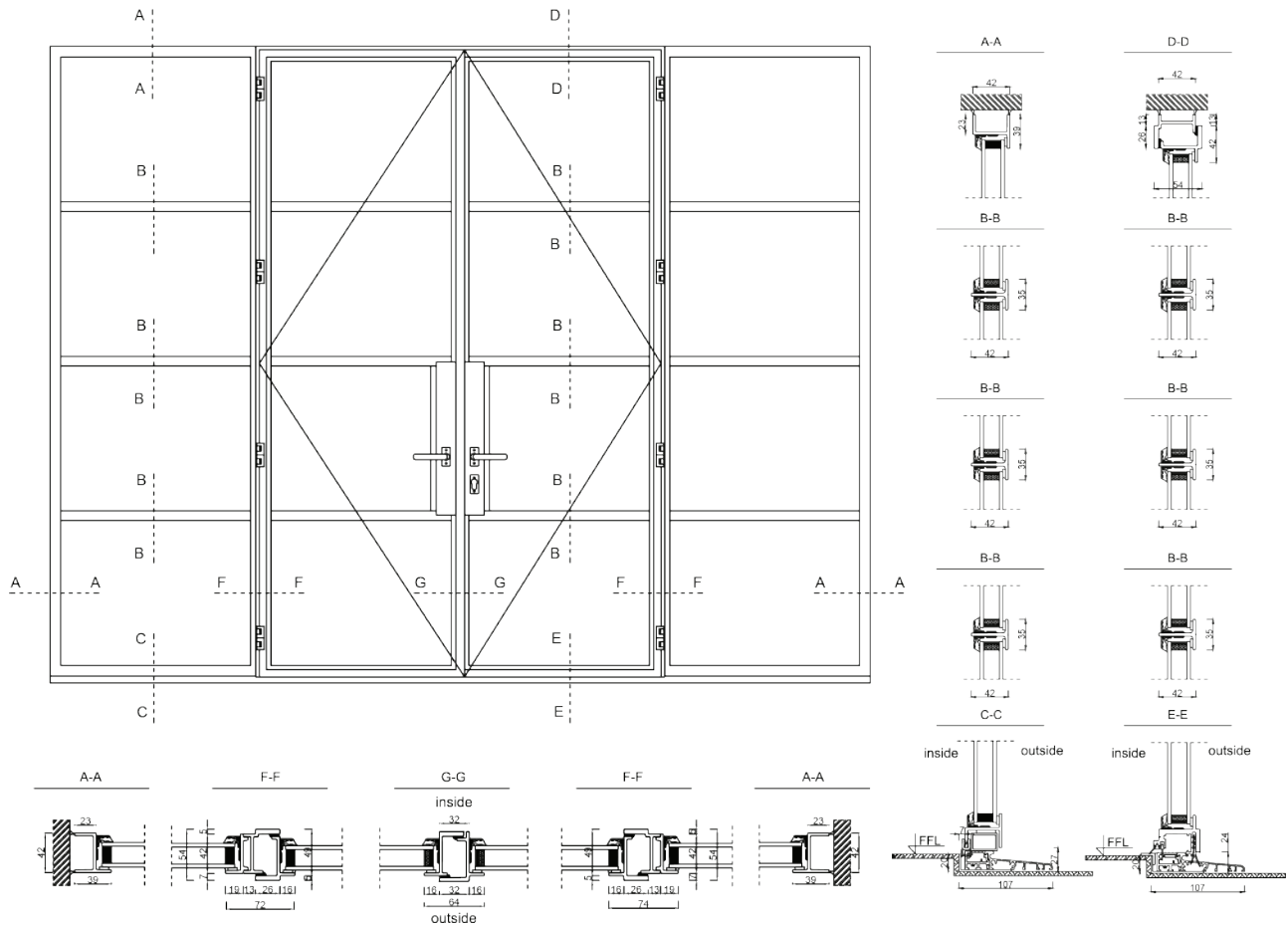
Maximum Height:

2800 mm



FEATURES

- Discover the perfect example of sleek elegance through our W40 Profiles, designed with minimal sightlines that radiate refined sophistication. Unlike aluminium, our steel frames offer three times the strength, ensuring slender sightlines without compromising on durability.
- Embrace a timeless style as we artfully combine the enduring French influence with our traditional W40 Profiles, resulting in a breathtaking fusion of timeless elegance and modern functionality.
- Beyond their stylish appearance, our W40 Profiles can accommodate sealed double glass units up to 26mm thick, effectively shielding against the coldest winter temperatures and creating a warm and cozy interior environment.





External W40

BI-FOLD DOORS

For a unique touch of luxury, you won't find anywhere else in the United Kingdom, our steel Bi-Fold Doors are a clear winner. We are the only British company offering external steel bi-fold doors, making this industrial-style masterpiece truly one of a kind. When it comes to performance, our bi-fold doors not only showcases its stunning appearance but also exceeds expectations with its innovative design and powerful multi-panel structure. This impressive combination enables it to effortlessly transform large wall sections, making it a remarkable addition to any project.



FEATURES

- Sturdy Multi-Panel Design:** Beyond its captivating appearance, our Bi-Fold Doors boast a robust multi-panel construction, capable of effortlessly transforming even the largest wall sections.
- Space optimization:** Bi-fold doors create a seamless connection between indoor and outdoor spaces, allowing you to enjoy an open area that enhances your living environment and brings in natural light.
- Versatile Configurations:** Our Bi-Fold Doors are designed with versatility in mind, offering an extensive array of configurations to suit any space and beautifully connect you to the outdoors.

Maximum Leaf Width:

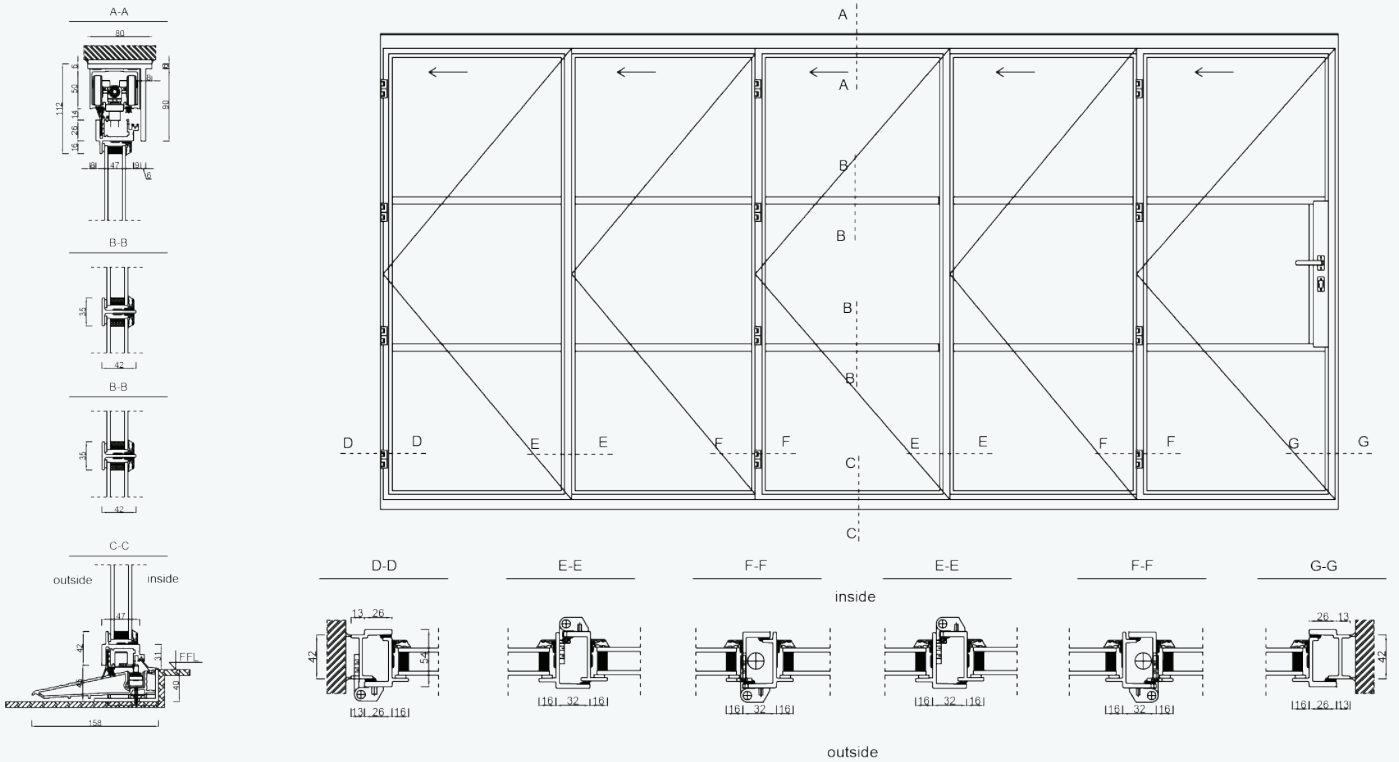
900 mm

Maximum Height:

2800 mm

Maximum No. of Leafs:

9





External W50

W50 Thermally broken system maintains exactly the same shapes as the original hot-rolled W40 profile in a thermal break solution. The innovative high-density polyurethane used for the thermal break, together with the possibility of installing high-performance insulating glass, makes it possible to fully meet energy efficiency standards, achieving a U-value of up to 1.4. A wide range of specific accessories, multiple finishes, and many types of opening are also available.



SYSTEMS

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Maximum Leaf Width:

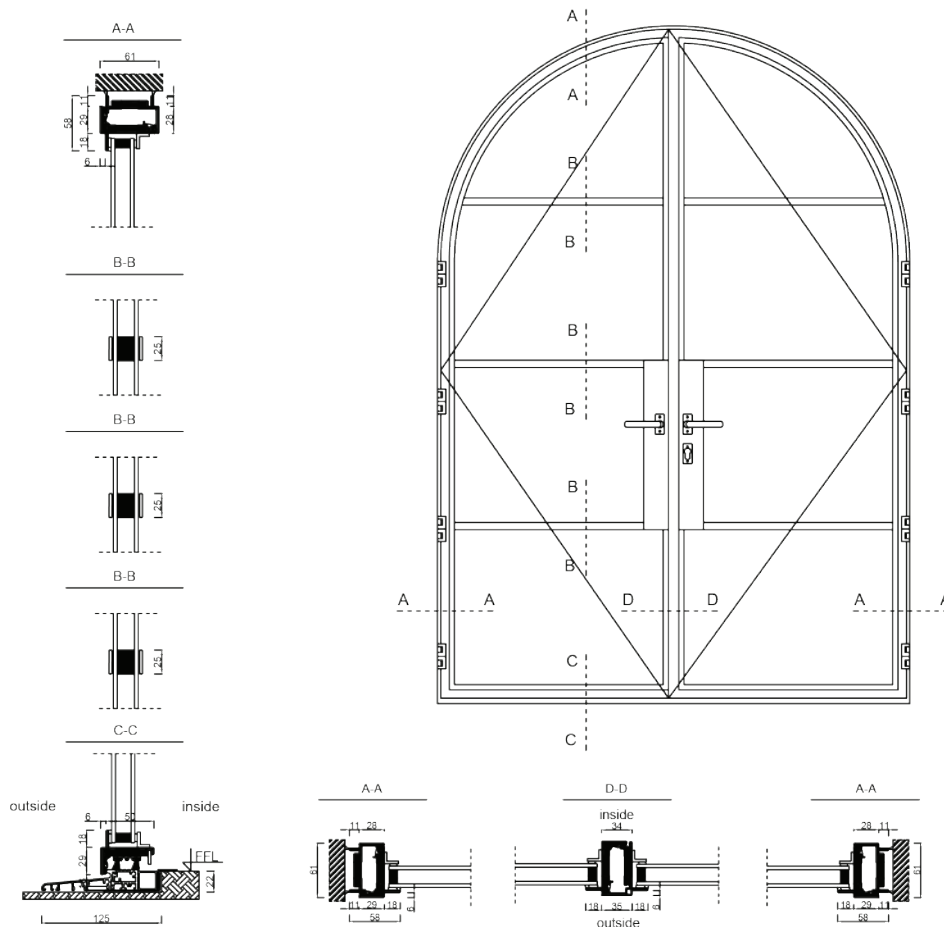
1000 mm

Maximum Height:

2800 mm

FEATURES

- With both internal and external overlapping sightlines, mechanically fixed rebate gaskets, and a profile depth compatible with up to 36 mm insulating glass, it ensures superior weather protection and a secure seal.
- The high-density cast polyurethane isolator, along with a wide choice of glazing beads and exclusive fittings, offers endless design possibilities.
- This profile offers compatibility with friction hinges and features a multipoint locking system for added safety. It offers various styles, including side-hung, top-hung, and folding windows and doors, allowing for great planning freedom.
- You can choose from a range of surface finishes in any custom or RAL colours to truly personalize your architectural vision, with options for astragal and construction bars available.





External W75

The W75 Thermally Broken system maintains the sleek and modern design of the FerroFinestra family while providing excellent thermal insulation. It features both flush and overlapping aesthetics, an efficient polyamide insulating core, and a profile designed to accommodate the latest selective insulating glass. The W75 TB system is ideal for the most demanding projects, suitable for all types of windows and doors that require the highest aesthetic and performance standards. It is available in galvanized steel, stainless steel, Cor-Ten steel, and architectural bronze.



Available in double or triple glazing.

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Maximum Leaf Width:

1000 mm

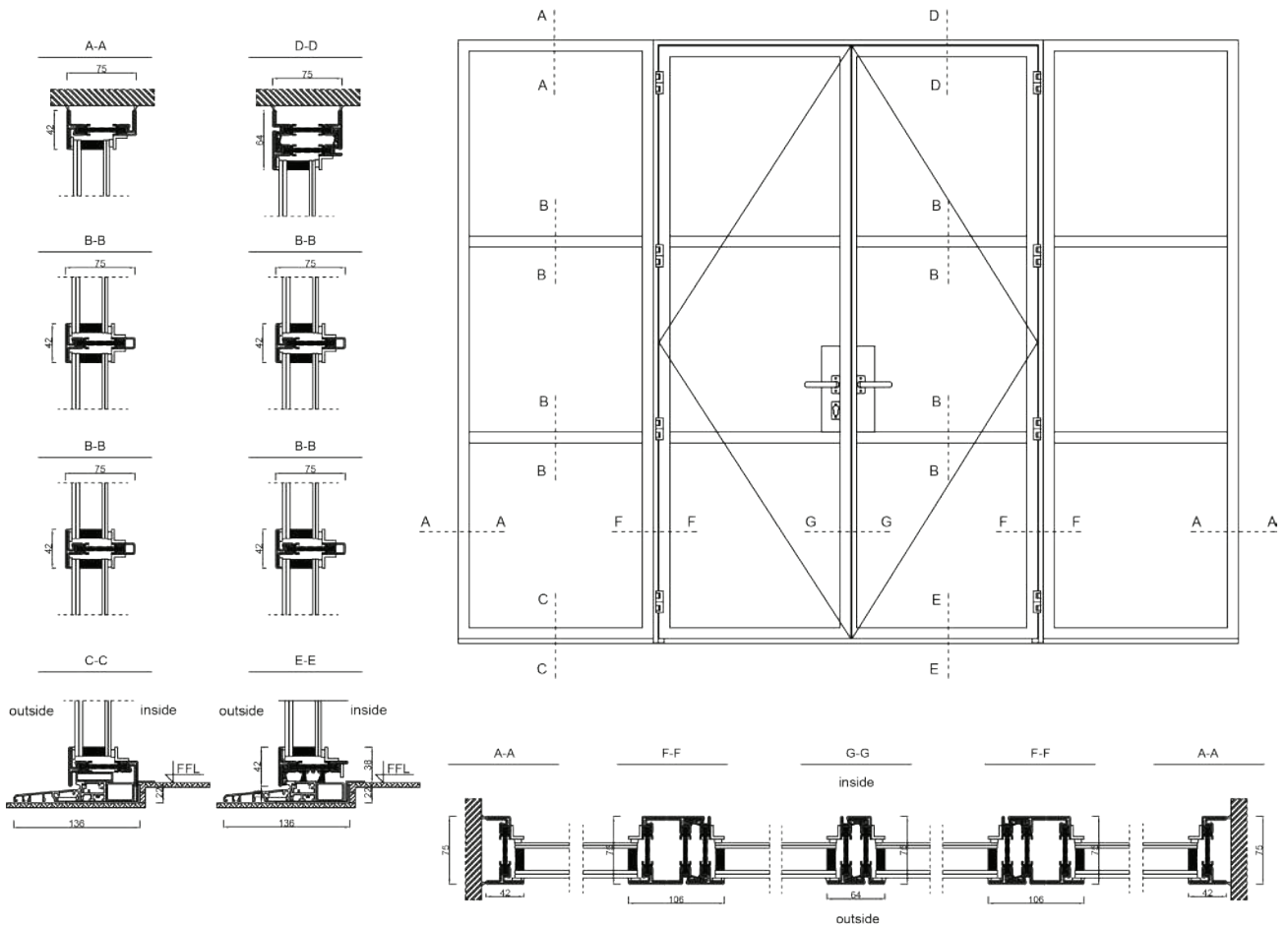
Maximum Height:

2800 mm



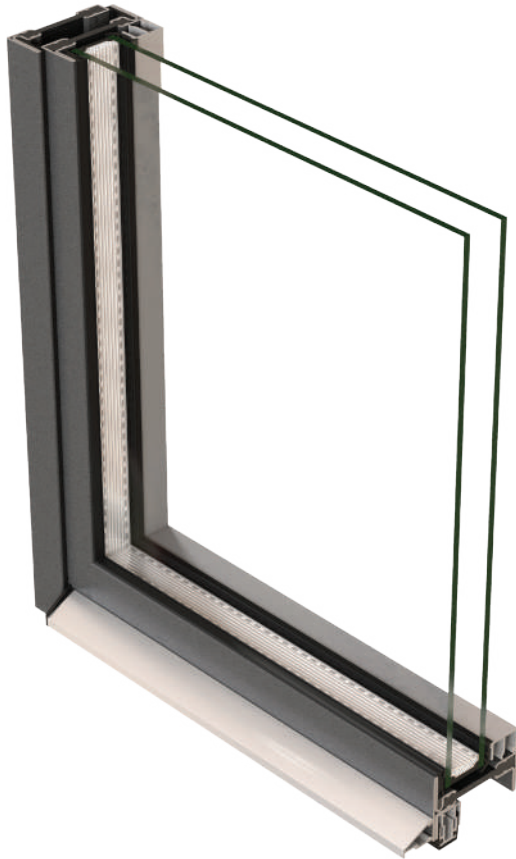
FEATURES

- Our profiles offer a choice between flush or overlapping configurations and can accommodate insulating glass up to 45 mm. Featuring fiberglass-reinforced polyamide insulators, they provide exceptional energy efficiency and thermal insulation. Additionally, they meet strict regulations, achieving a U-value of up to 1.1, depending on various factors.
- A diverse selection of glazing beads, integrated sealing gaskets, and specific fittings allows for customization across different window types and doors, including options for astragal and construction bars.
- Our galvanized steel profiles are available in any custom or RAL colours, providing you with the flexibility to achieve your architectural vision.





External Arte 2.0



Available in double or triple glazing.

Extremely slim face widths and outstanding performance values are the hallmarks of the Janisol Arte 2.0 thermally separated steel system. The Janisol Arte 2.0 doors have achieved CE classification in accordance with product standard EN 14351-1, with impressive performance values of up to 1.2. They also offer sound insulation values of up to 45 dB, providing protection against unwanted noise pollution. Additionally, the profile has passed testing for PAS 24, a security standard that assesses the resistance of doors and windows to forced entry, ensuring enhanced security for your property.

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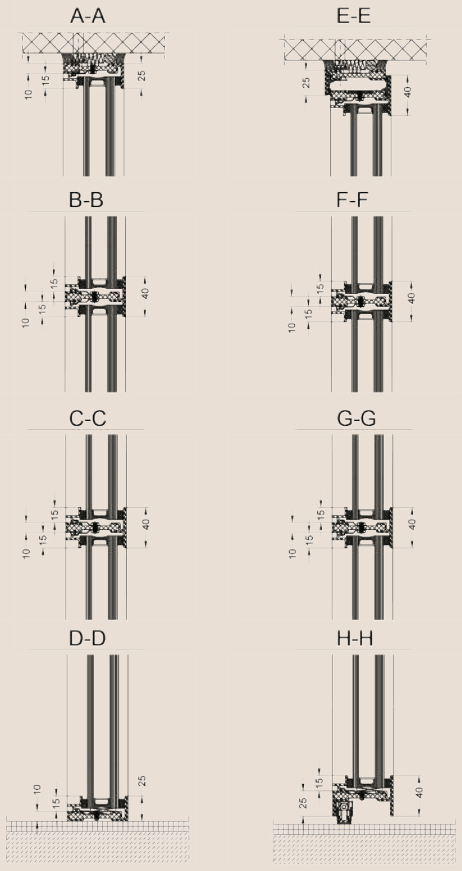
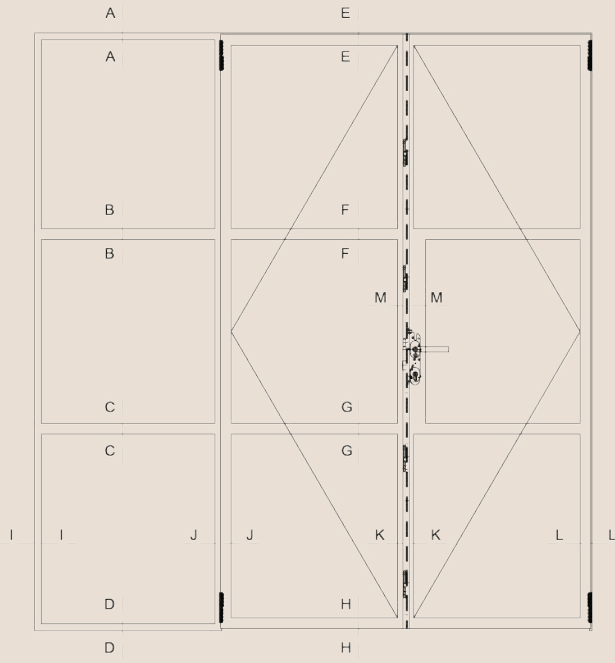
Maximum Leaf Width:

1000 mm

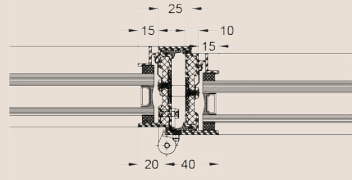
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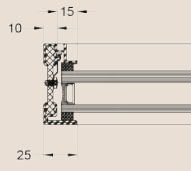




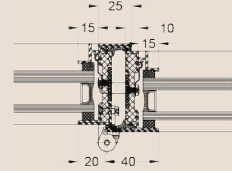
M-M



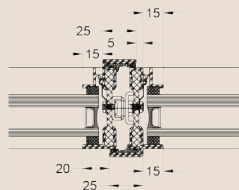
I-I



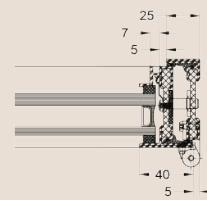
J-J



K-K



L-L



FEATURES

- **ZF100 Coating:** Provides essential corrosion protection, optimizes the welding process, and ensures excellent compatibility with other materials, enhancing the longevity and durability of the system.
- **Heat and Sound Insulation:** Ensures superior thermal efficiency of up to 1.2 value and noise reduction of up to 45 dB, making it ideal for energy-conscious buildings and those seeking a quieter interior environment.
- **Customizable Design Features:** Options for astragal and construction bars are available, allowing for greater design flexibility and the ability to achieve traditional or modern architectural visions.
- **Multipoint Locking System:** For enhanced security, the system includes a multipoint locking mechanism, providing strong, reliable protection for your doors.
- **PAS 24 Certification:** The profile has passed PAS 24 testing, a stringent security standard that ensures the doors and windows are resistant to forced entry, adding another layer of protection.



Types of BARS

CONSTRUCTION

The traditional design of construction bars not only complements vintage aesthetics but also harmonizes beautifully with modern styles, making them a versatile choice for any space. Their sleek lines and refined finishes add a touch of timeless class, elevating the overall look of both interior and exterior settings.

- **Accommodates Multiple Glass Types in One Design:** The versatility of construction bars allows for the seamless integration of various glass types, enabling custom designs that cater to individual preferences and architectural styles.
- **Enhances Security:** Beyond their visual appeal, construction bars play a crucial role in enhancing the security of your windows and doors. Their robust design reinforces the overall structure, providing an additional layer of protection against potential intrusions.
- **Width Variation for a Perfect Fit:** The width of the construction bar is determined by the profile used, with sizes ranging from 35mm to 40mm. This variety ensures that the bars can be tailored to fit perfectly with the overall design, enhancing the door or window's overall appearance.





Types of BARS

ASTRAGAL

Adding bars to your door or window design is a great way to create an authentic traditional appearance. Despite their Georgian aesthetic, these bars pair beautifully with both classic and contemporary builds, making them a versatile choice for any architectural style. With the addition of Astragal Bars, you can achieve a sophisticated blend of heritage charm and contemporary functionality, enhancing the beauty and character of your space.

- **Customization Options:** Our slim astragal bars, available in two widths 20mm and 40mm enhance any design with a touch of Georgian elegance. The 20mm bars provide a delicate, refined look, creating a more understated classic style, while the 40mm bars offer a bolder statement, striking an optimal balance between traditional charm and modern practicality.
- **Functionality:** Astragal bars are designed primarily for aesthetic purposes. They create the appearance of multiple small panes of glass while allowing for the use of larger single panes. This enhances the visual appeal without compromising the amount of natural light entering a space.
- **Lightweight Design:** Despite their robust appearance, our Astragal Bars are designed to be lightweight, making them easy to install without compromising structural performance.

Types of GLASS

STANDARD: Clear

PREMIUM: Satin | Graphite | Flutes | Milky
Flutes | Mirror | Frosted | Tempered | Wired |
Reeded | Solar Control

Exclusive collection of External Glass Styles, where aesthetics meet functionality in perfect harmony. Enhance the beauty and appeal of your spaces with our diverse range of premium external glass designs. Whether you desire modern sophistication, timeless elegance, or innovative style, we have the ideal glass options to complement your architectural vision.



Our products'
COLOURS

STANDARD:

RAL 7022 | RAL 7021 | RAL 7016 | RAL 9005

More colours options are available upon request.

At Black Steel Doors, we take great pride in providing you with a canvas of colours to turn your projects into remarkable masterpieces. We offer an impressive range of colours that will spark your creativity and bring your design ideas to life.



Join our
exclusive partner program!

We are thrilled to present a golden opportunity to partner with Black Steel Doors, a brand synonymous with craftsmanship, innovation, and design excellence. By joining forces with us, you can take your design projects to the next level and enjoy a range of exclusive benefits.

Partnering with Black Steel Doors is a straightforward process. Reach out to: **info@blacksteeldoors.co.uk** and we'll guide you through the easy onboarding process. If you have any questions or would like to discuss this opportunity further, please don't hesitate to contact us.





HAVE A PROJECT IDEA?

Contact us

Begin your journey by enjoying a complimentary consultation with our experienced project managers. We will personally guide you through our luxurious selection of products and provide expert advice on the best styles and specifications to suit your vision.

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