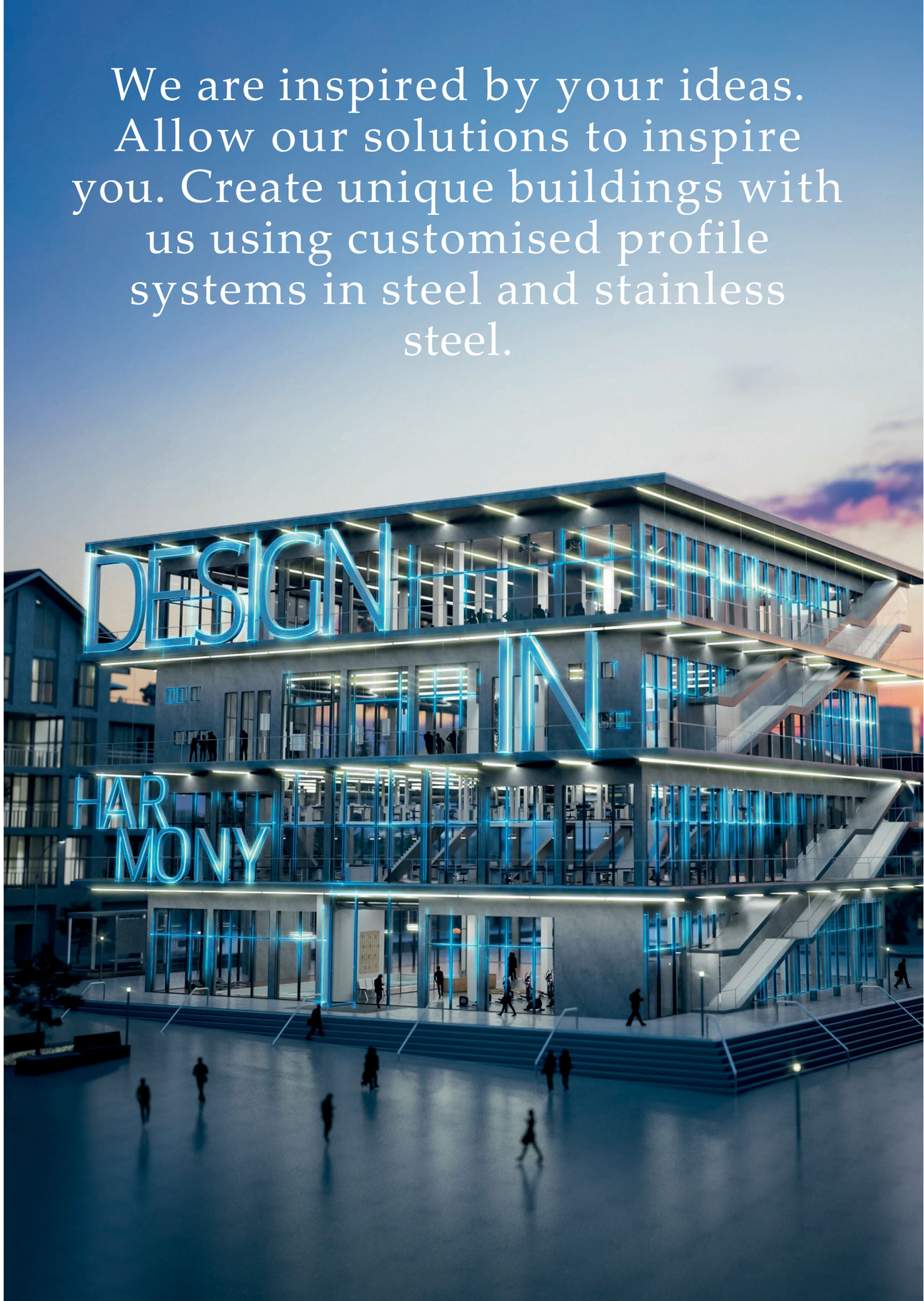
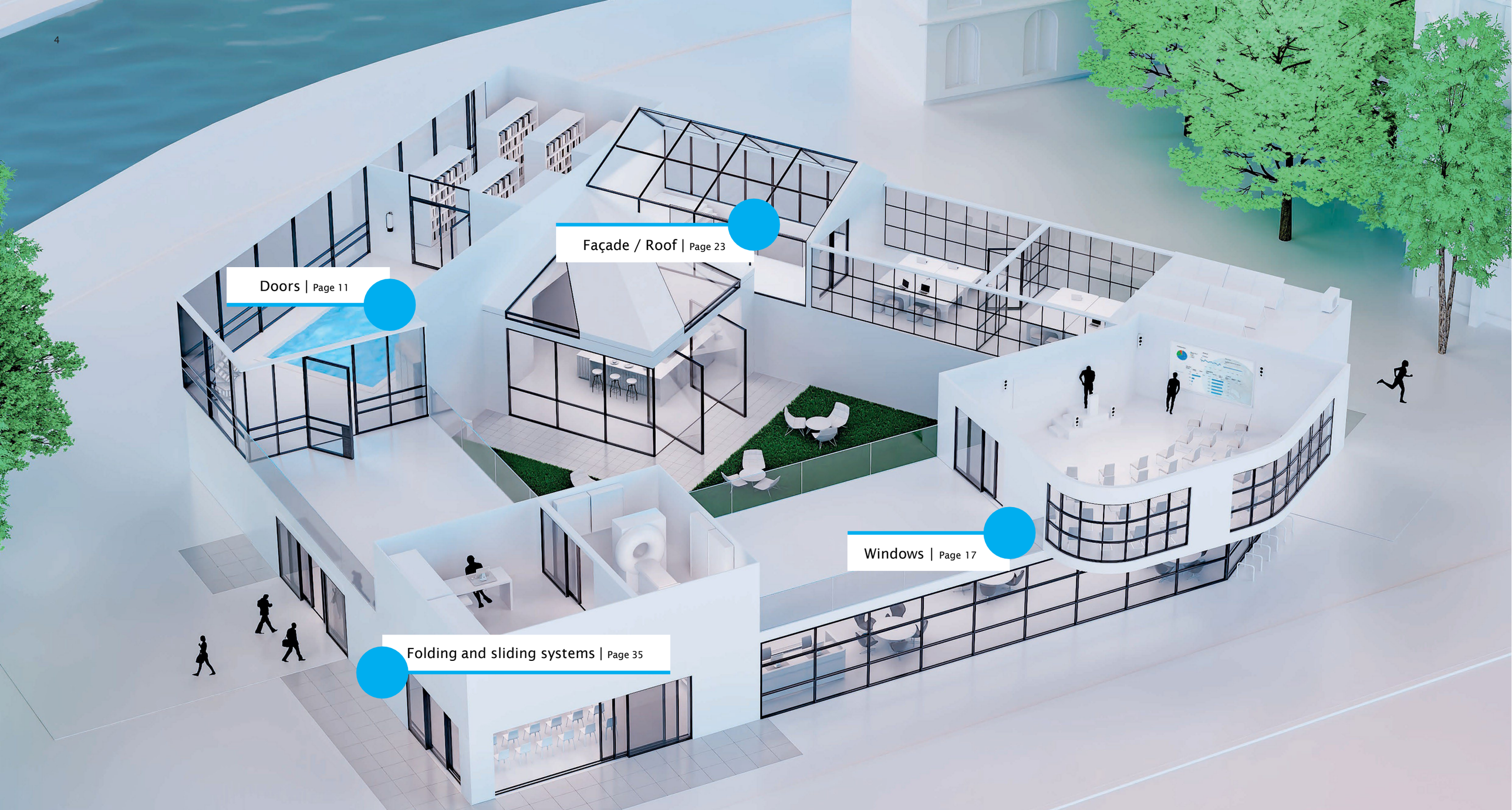
Steel Systems

LUMENAIRE

EUROPEAN WINDOWS & DOORS

We are inspired by your ideas. Allow our solutions to inspire you. Create unique buildings with us using customised profile systems in steel and stainless steel.





Doors

Thermally insulated doors

- Arte 2.0
- VISS side-hung door

Windows

Thermally insulated windows

- Arte 2.0
- Arte 66

VISS façade

- VISS Basic façade
  - VISS Basic HI (highly insulated)
  - VISS Basic burglar resistance
- VISS façade
  - VISS façade HI (highly insulated)
  - VISS façade burglar resistance
  - VISS façade bullet resistant
  - VISS façade fire protection
  - VISS façade design profiles
  - VISS façade SG (structural glazing)

VISS roof glazing

- VISS Basic roof glazing
- VISS roof glazing
  - VISS roof glazing HI (highly insulated)
  - VISS roof glazing fire protection

Folding and sliding systems

- Lift-and-slide door
- Folding partition
- Arte 2.0 sliding door
- EI30 fire-resistant sliding door

System solutions – full of individual possibilities

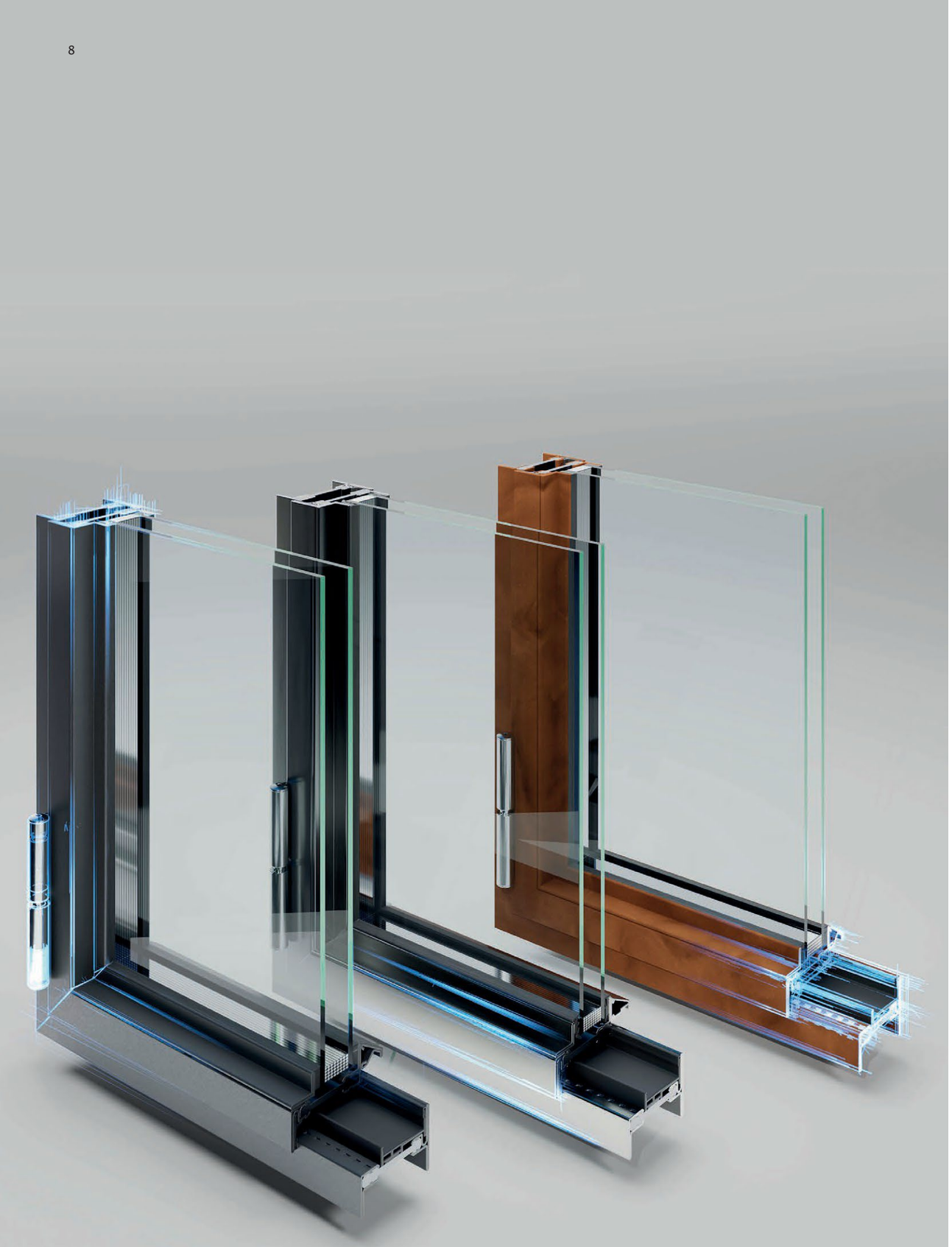
The development and production of well-conceived system solutions made from various metals for windows, doors and façades represent a core competence of Lumenaire. Finding sophisticated solutions for challenging projects likewise.

Robust and resistant to mechanical damage, steel has the highest modulus of elasticity of the materials most widely used in the construction sector at 210 kN/mm^2. Steel is the front runner in matters of statics as well as service life, yet it can can be perfectly shaped and bent. With strikingly slender profile face widths, steel is able to bear enormous loads. Thanks to its load-bearing capacity, large spans can be bridged, which enables more open areas in the building, for example, and thus permits more creative solutions.

Whether for renovations, luxury homes, industrial buildings or buildings highly frequented by the public – our profile systems fully exploit the numerous benefits of steel in structural dimensioning, fire-protection applications, burglar and bullet-resistant constructions or sound reduction.

Prefabrication in the workshop removes the need for time- consuming steps when installing our systems on site. In addition, profile systems from us can be easily combined with other materials and, thanks to their modular construction, can also be used flexibly for structural adaptations at short notice.

With a product range that includes thermally insulated and non-insulated door and window systems as well as façade and fire protection systems, our profile systems offer sophisticated standard solutions and equally cover complex special requirements.



Materials & surfaces – Representing materials

A combination of properties can be selected when choosing materials. These properties relate to functional aspects such as the visual appearance and possible forms of processing. From the raw form to chemically or mechanically modified materials, colours and surfaces vary and open a wide range of design options.

Steel / stainless steel / Corten
Steel, stainless steel and Corten offer universal design possibili- ties with high stability and easy fabrication. There are a few differences that are worth noting here. While steel is treated by galvanising, powder coating or wet lacquering to be protected against corrosion, stainless steel offers material properties that make further treatment unnecessary. The high-quality alloy is resistant to corrosion and its characteristic colour and structure contribute to its elegant appearance. Pre-rusted steel, Corten, is particularly suitable for creating an industrial look and retains all the static properties of the base material steel.

Surface treatment
The color concept of the profiles or fittings is determined by a surface treatment, that can either be powder coating or mechanical treatment. Each material has different basic require-ments and may produce different results. Different colours are possible depending on the method used. The colour may have different gloss levels as well as metallic components. Mechanical processes such as grinding, brushing and polishing can also achieve various effects.

Surface treatment has long been used to fulfil functional as well as visual requirements. It protects the material, and the resulting properties can also contribute to heat absorption or reflect the sun's rays. Certain integrated components mean that it can even help to destroy germs. When it comes to choosing a color, the key question is where that colour is used: In areas heavily exposed to the weather, ‘highly weatherproof’ paints, for example, protect against premature fading.

Color selection

Door systems

Doors and windows symbolise openness and provide a way in for people, light and air. But they also protect from external influences. The individual requirements for thermal insulation and sound reduction or burglar-resistance and bullet resistance determine how doors and windows are to be constructed.

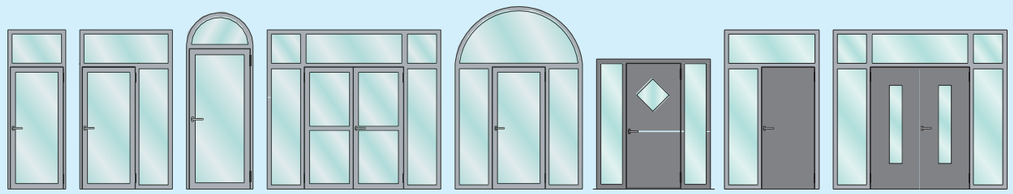
A door is a movable structural element used to close an opening (in a wall, a passageway or an entrance) which, when opened, allows passage or access. A distinction is made between external and internal doors. A door usually has an upright format. A basic distinction is made between different types of doors. The distinction is based on the type of opening. Doors can also be extended with fixed side lights and/or top lights. Top lights can take various forms. Jansen even offers them in an arched design, depending on the series.

System solutions for doors can be found in the following series:

Thermally insulated doors

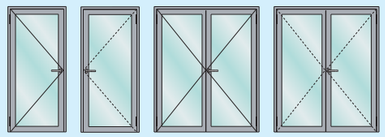
- **Arte 2.0**
- **VISS side-hung door**

A range of infill units also provides a variety of options for doors. The infill units can be made of glass but can also be fully clad in sheet metal or sheet metal clad with vision panels.

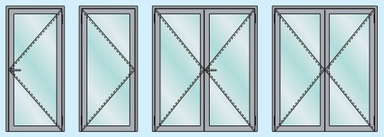


Doors with fixed side lights and top lights

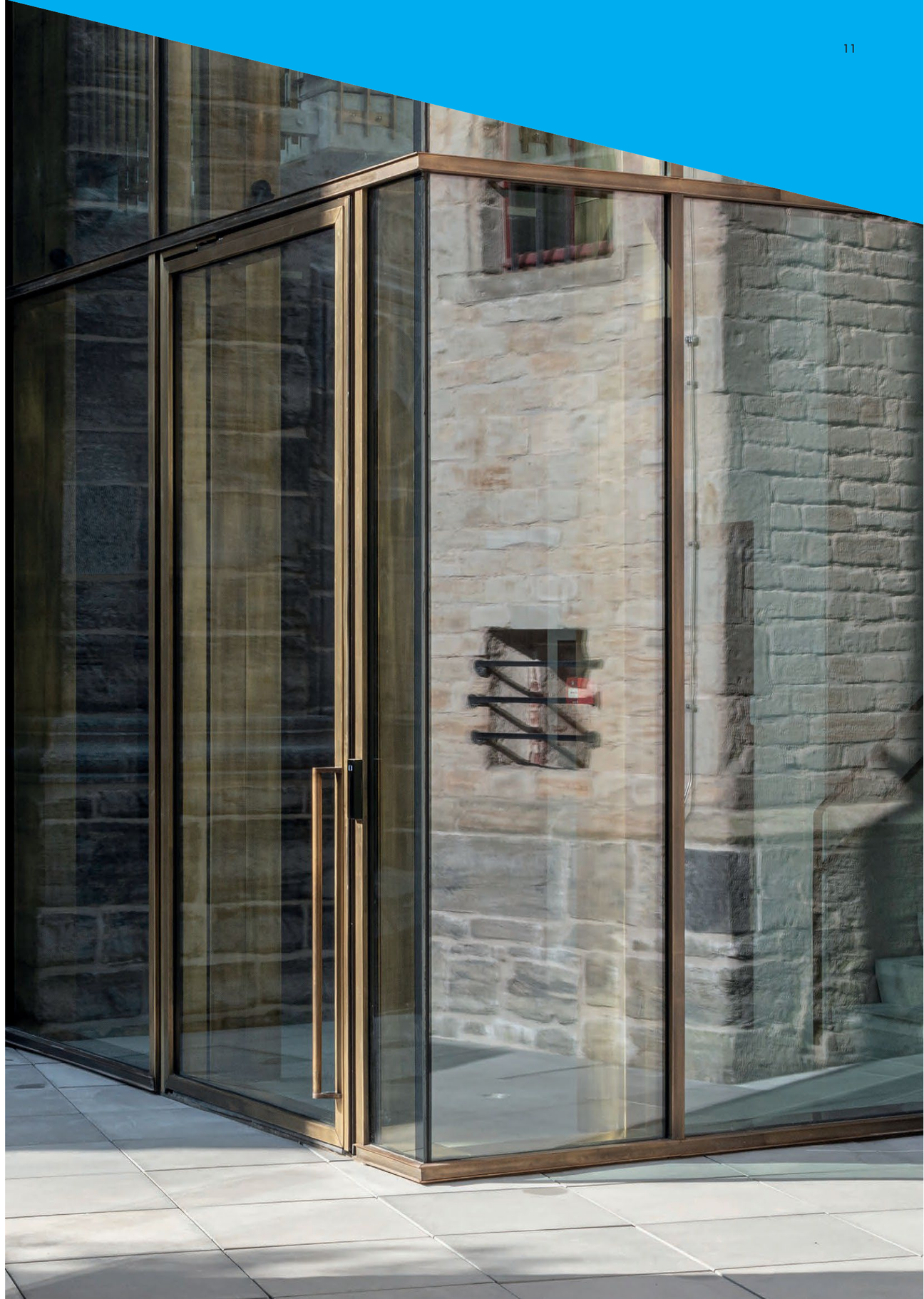
Sheet metal clad doors with fixed side lights and top lights



1 and 2-leaf side-hung doors

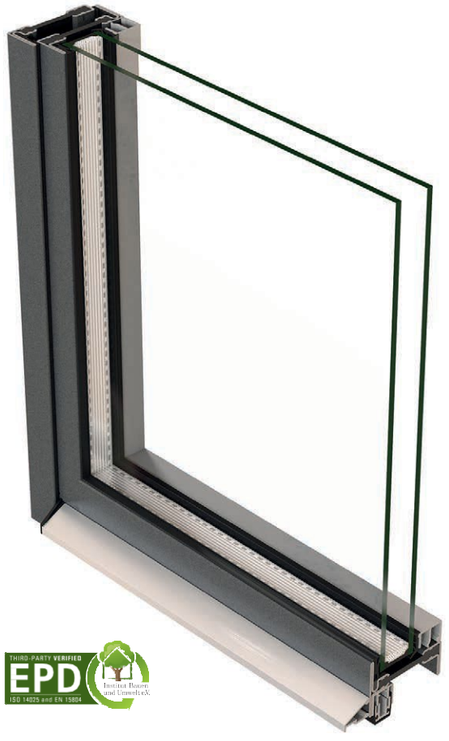


1 and 2-leaf double action doors



Arte 2.0

The Arte 2.0 offers CE-certified doors in a thermally insulated system with extremely narrow face widths for interior and exterior use. Originally designed specifically to preserve the value of listed buildings, the narrow profile face widths with the largest possible proportion of glass are also perfect for use in modern residential construction, for example as indoor partitions. Compatible with the Arte 2.0 window system for more architectural freedom.



Materials/surface finish
- Strip-galvanised steel, suitable for powder coating or stove-enamelling
- Stainless steel 1.4401 uncoated or polished
- Corten

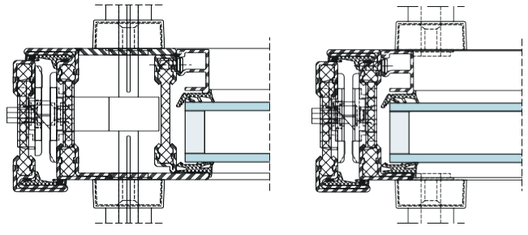
Element types
- Single and double doors, with and without fixed side lights or top light, opening inwards and outwards
- Sheet metal clad doors with or without cut-outs for glazing

Design options/safety options
- All-glass appearance
- Door with barrier-free threshold
- Door with zero threshold

Special technical features
- Basic depth 60 mm
- Leaf height up to 2489 mm clearance dimension
- Leaf weight max. 150 kg
- Face width from 45 mm

Your benefits
- Compatible with Janisol Arte 2.0 and 66 window systems; allows semi-circular top over the door, for example for listed buildings
- Use in high-traffic buildings with durability class 7 (500,000 cycles)
- Add visual interest by using designer glazing beads

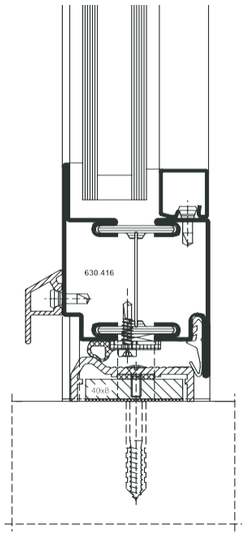
Section detail



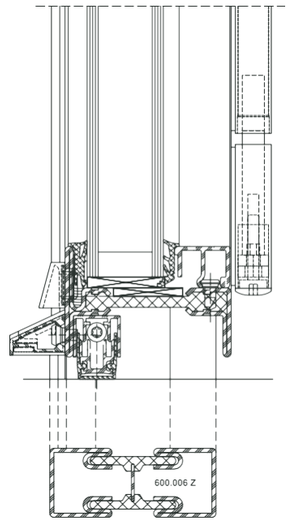
Design/safety options

Door with all-glass appearance

Door with barrier-free threshold



Door with zero threshold



VISS side-hung door

A thermally insulated mullion-transom construction for single and double-leaf façade doors with an impressive size of up to 2000 mm × 6000 mm (W × H) and therefore ideal as a generous façade opening. The VISS side-hung door is used in particular as an access door for transport purposes in exhibitions, car showrooms or museums. Available in both 50 mm and 60 mm face widths, it blends in perfectly with the building envelopes of the tried-and-tested VISS façade system.

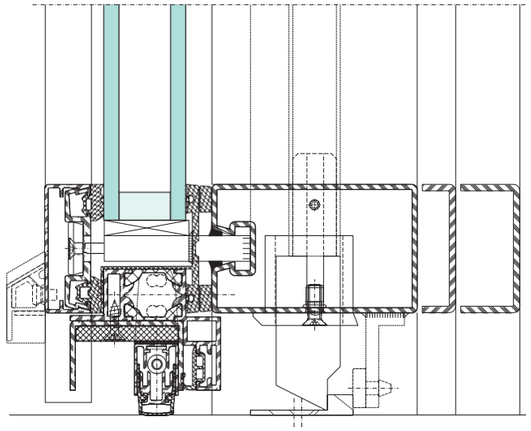
Materials/surface finish
- Uncoated steel or strip-galvanised steel, suitable for powder coating or stove-enamelling

Element types
- Single and double doors, with and without fixed side lights or top lights

Special technical features
- With 50 mm / 60 mm face width
- Various cylinder options
- Glass thicknesses from 17 mm – 52 mm

Your benefits
- 6000 mm tall door with CE marking
- Stainless steel cover sections for added elegance
- Up to 550 kg leaf weight with only 4 hinges

Section detail



Window Systems

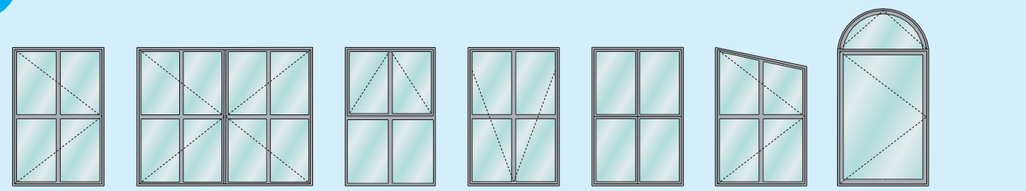
Window solutions from our steel systems focus on people and their well-being. They are the natural basis for the aesthetic design of inviting bright living and working spaces in which we feel safe and comfortable. Windows not only separate the inside from the outside, but they also score points with security aspects such as thermal insulation or protection against burglary.

The term window is generally used to refer to a closable and weatherproof opening in the outer shell or roof of a building. They are normally used to let light into the interior and can be opened for ventilation. They are available in a wide variety of sizes and shapes to suit the building or site conditions. They can also be used as so-called French windows, in which case they are usually installed on upper floors as access to a balcony or roof terrace. They can be locked when used to prevent unwanted opening and can have different types of opening depending on the situation.

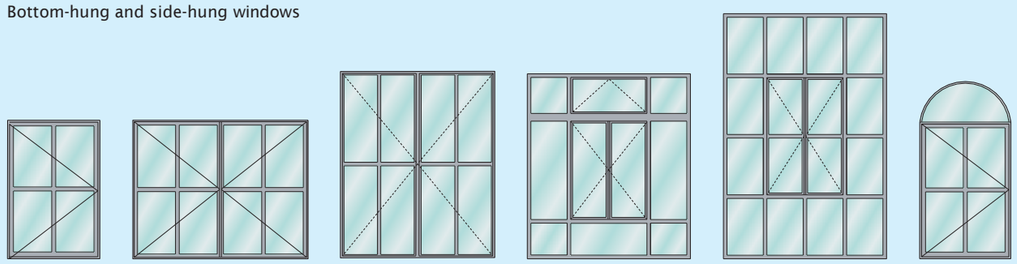
System solutions for windows can be found in the following series:

Thermally insulated windows

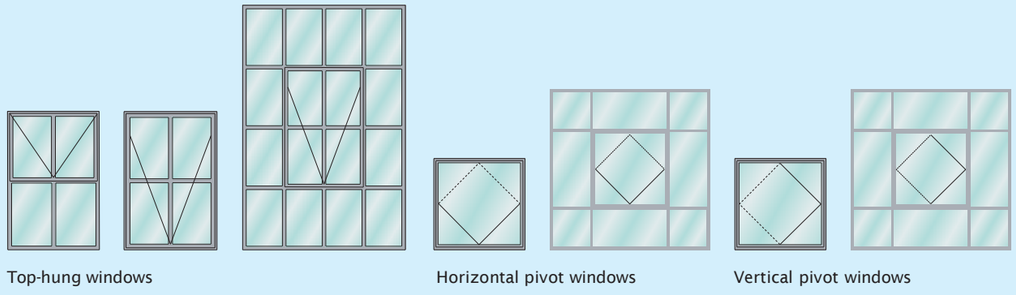
- **Janisol Arte 2.0**
- **Janisol Arte 66**



Bottom-hung and side-hung windows



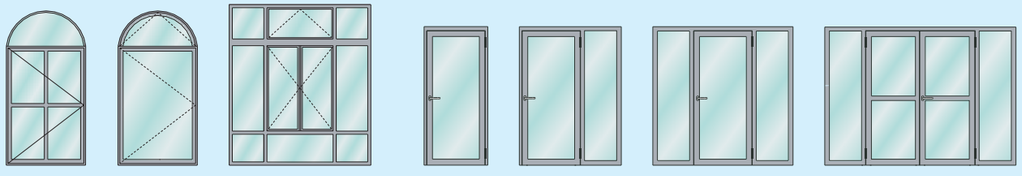
Bottom-hung and turn/tilt windows



Top-hung windows

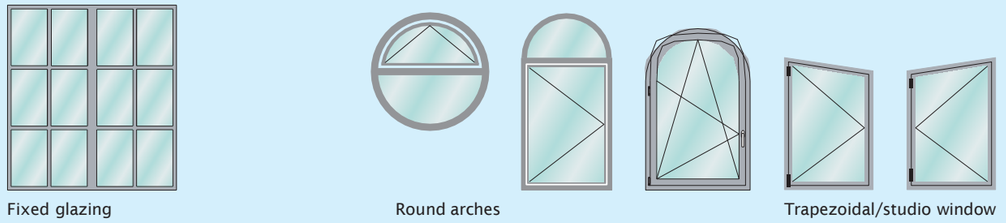
Horizontal pivot windows

Vertical pivot windows



Fixed top lights and top lights that can be opened

French windows



Fixed glazing

Round arches

Trapezoidal/studio window

Arte 2.0

Safety, security, well-being, design, ease of fabrication, variety of opening types and materials: Arte 2.0 windows leave almost nothing to be desired when it comes to windows and flexibility. Elegant, slim and thermally insulated, these windows are ideal for renovations or new buildings, allowing generous proportions of glass with filigree profiles. In combination with Arte 66 and Arte 2.0 doors and sliding doors, uniform concepts for stylish rooms can be realised.

Materials/surface finish
- Strip-galvanised steel, suitable for powder coating or stove-enamelling
- Stainless steel 1.4401
- Corten

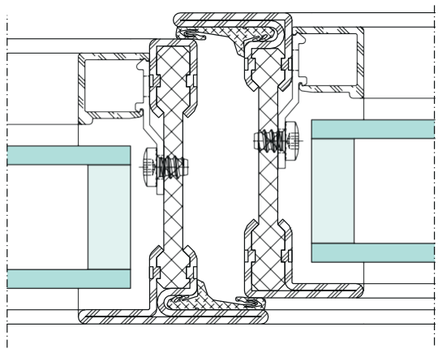
Element types
- Single and double sash side-hung and casement windows, opening inwards and outwards
- Bottom-hung window, opening inwards
- Top-hung and projected top-hung windows, opening outwards
- Horizontal pivot windows
- Vertical pivot windows
- French window
- Fixed glazing

Design options/safety options
- Burglar resistance up to RC2

Special technical features
- Basic depth 60 mm
- As a project solution, sash size up to 970 mm × 2970 mm (W × H)
- Fixed glazing face width 25 mm
- Faceplate width 60 mm

Your benefits
- Various opening types – the right window for every room
- Available in all materials (steel, stainless steel, Corten) from stock
- Special shapes such as arched windows with CE marking

Section detail



Design/safety options

Burglar resistance

Burglar resistance RC2

Arte 66

The addition of the Arte 66 solution for inward-opening side-hung, tilt/turn and bottom-hung windows to the tried and tested Arte system is an elegant, also thermally insulated addition to the Arte 2.0 system and rounds off the range of opening types. With a harmonised design and excellent structural properties, Arte 66 allows large window openings to be combined with good values in terms of sound insulation or wind and water resistance.

Materials/surface finish
- Strip-galvanised steel, suitable for powder coating or stove-enamelling
- Corten

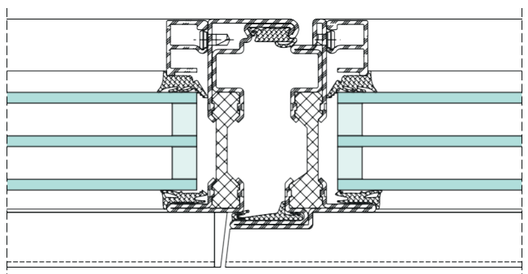
Element types
- Side-hung and tilt/turn windows as well as casement windows single and double sash, opening inwards
- Bottom-hung window, opening inwards
- Fixed glazing

Design options/safety options
- Motorised bottom-hung windows possible
- NSHEV

Special technical features
- Basic depth 66 mm
- As a project solution, sash size up to 1160 mm × 3560 mm (W × H)
- Fixed glazing face width 30 mm
- Faceplate width 76 mm

Your benefits
- Special shapes such as arched windows
- Invisible transitions between Arte 2.0 and Arte 66 provide creative freedom
- Wet and dry glazing options allows for design variations

Section detail



System solutions for façades and roof glazing

VISS façade system solutions offer a wide range of options for letting light into the interior, not only vertically but also for the roof.

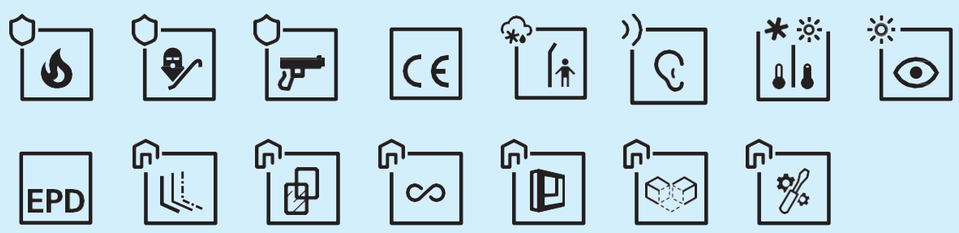
At the same time, steel with welded joints offers design variation options. As the façades are tested on the basis of EN 13830, metal fabricators can provide the CE marking required in the EU. Safety factors such as fire and burglar resistance and sustainability can be documented through certification or EPDs.

Façades are the face of a building. They are also referred to as the building envelope or outer shell of a building. These terms are often used synonymously. However, distinctions can be made according to the type of design, function, material or construction. When it comes to the type of construction in particular, the whole spectrum is open with steel as a material: mullion/transom façades, back-ventilated hung façades, curtain walls or glass façades can be created using certified system solutions.

System solutions for façades and roofs can be found in the following series:

- **VISS Basic façade**
  - **VISS Basic HI (highly insulated)**
  - **VISS Basic with burglar resistance**
- **VISS façade**
  - **VISS façade HI (highly insulated)**
  - **VISS façade with burglar resistance**
  - **VISS façade with bullet resistance**
  - **VISS façade with fire protection**
  - **VISS façade with design profiles**
  - **VISS façade SG (structural glazing)**
- **VISS Basic roof glazing**
- **VISS roof glazing**
  - **VISS roof glazing HI (highly insulated)**
  - **VISS roof glazing with fire protection**

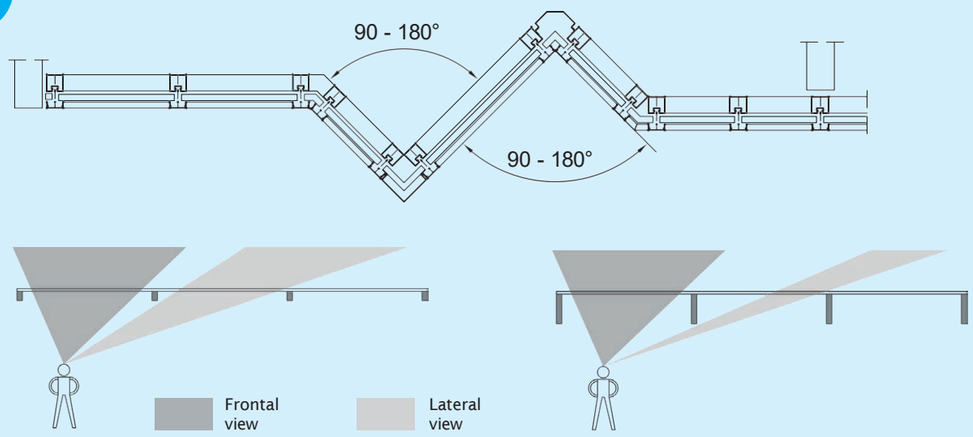
Symbols for the façade



Profile design, polygon glazing

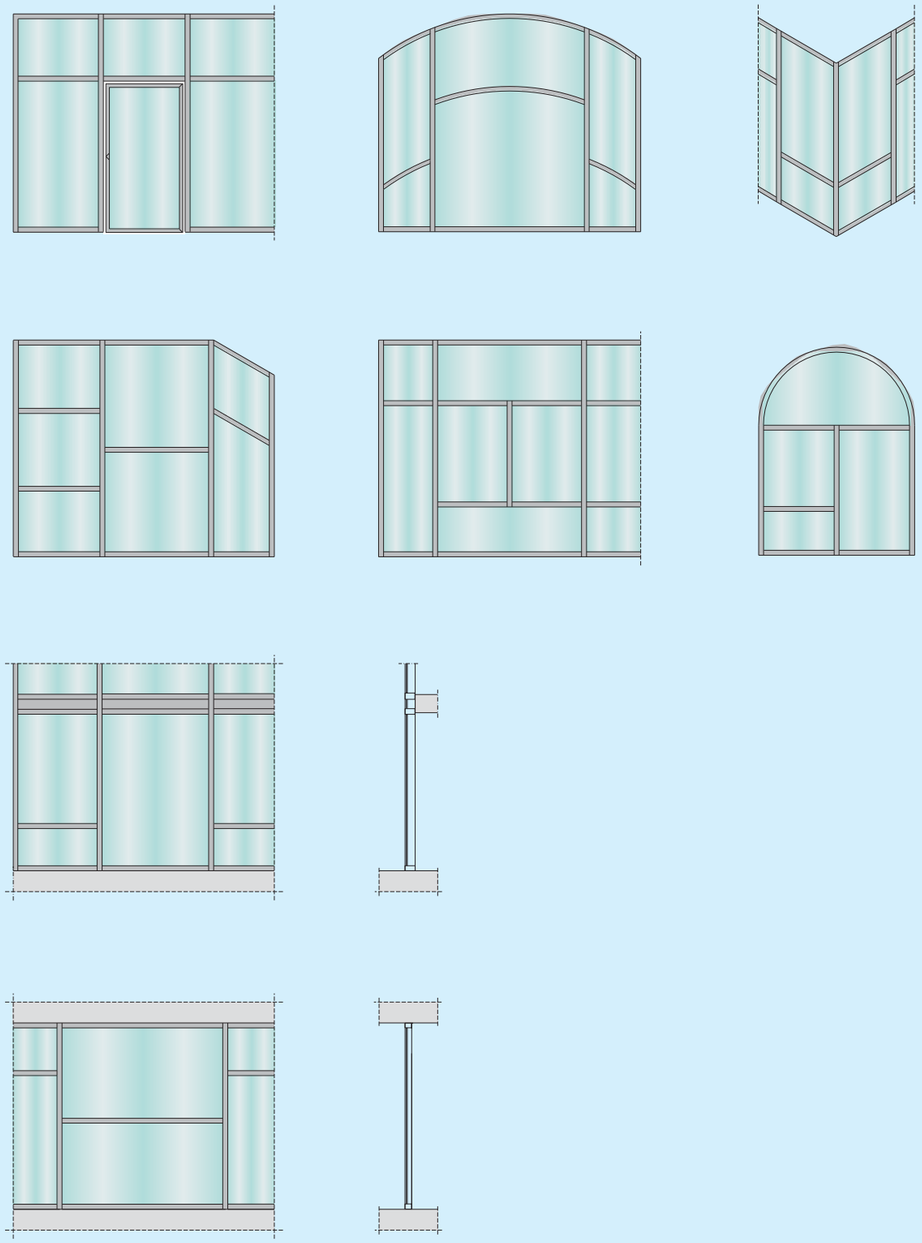
The design of the façade often plays a key role in determining the appearance of a building. Attachment profiles, roof connection options or polygon glazing can all add very individual facets here. The width and depth of the profiles also play a key role, depending on how generous the views in and out are to be.

Different attachment profiles can be used to create a bespoke look and vary the play of light and shade depending on the viewing angle.



The arrangement of mullion/transom profiles or the view as an SG façade can give very different impressions to the observer.

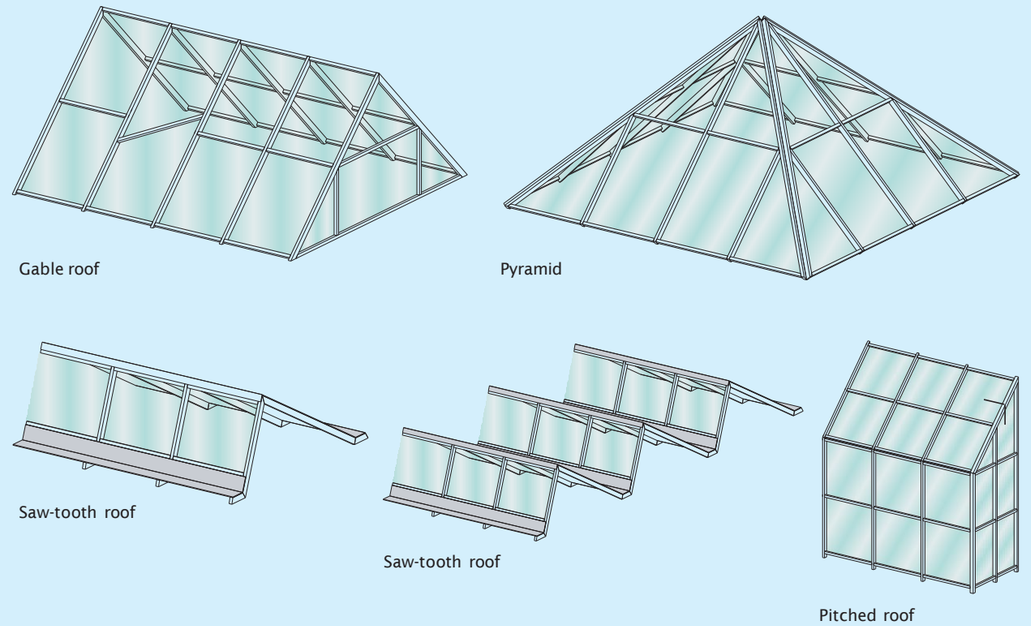
Façade type overview



Roof glazing: Pyramid, dome, gable, mono-pitch roof

The requirements for roofs and roof glazing are diverse in form and function. This is where welded steel structures really come into their own. Filigree profiles can also be used to create large skylights and realise complex designs. Tested inclination angles allow exact alignment according to the needs of the occupants and the specifications of the building.

Overview of roof glazing types



VISS Basic

VISS Basic façade
The VISS Basic façade offers architects and metal fabricators a façade construction that can be mounted on any support.
The VISS façade system solution is attached to a freely selectable support structure made of standard hollow profiles.
The VISS Basic façade therefore offers an ideal combination of a certified and proven system solution and a cost-effective support structure.

VISS Basic façade HI (highly insulated)
A simple insulating core as an insert is sufficient to make the VISS Basic façade highly insulated. Highly insulated means that the component makes a significant contribution to a building achieving the passive house standard. The U-value (heat transfer coefficient) specified for this is between 0.5 and 0.8 W/m²K. This value is achieved with VISS Basic Façade HI (highly insulated) in both the 50 mm and 60 mm face widths.

VISS Basic façade with burglar resistance
The VISS Basic façade can be made burglar-resistant with just a few additional components. The tested classes are RC2, RC3 and RC4, giving the façade up to 10 minutes of resistance against a well-equipped intruder. Areas of a building with limited visibility can be optimally protected.

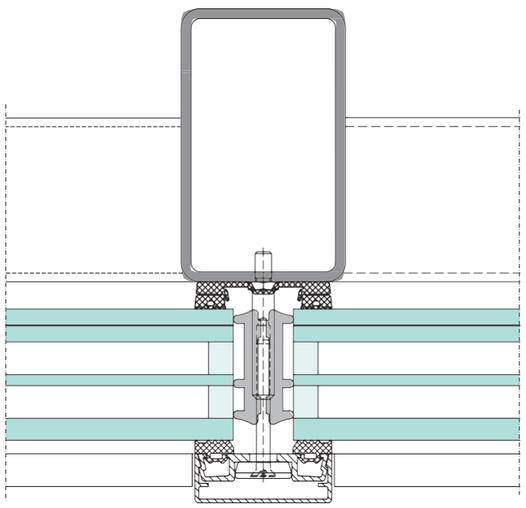
Materials/surface finish
- Cover sections in aluminium or stainless steel

Construction types/safety options
- Mullion-mullion-transom construction
- Mullion-transom-mullion construction
- Welded and/or push-fit construction
- Segmental glazing, concave and convex
- Burglar resistance RC2/RC3/RC4
- Optimum thermal insulation with VISS Basic HI

Special technical features
- Face width 50 mm / 60 mm
- Basic depth according to structural engineering requirements
- Infill element thickness 6 mm – 70 mm

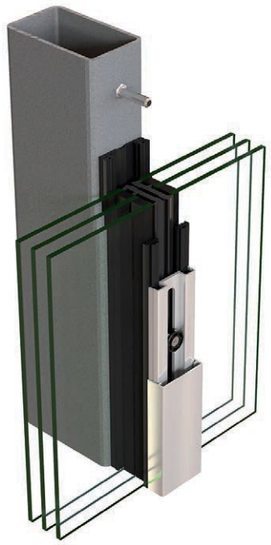
Your benefits
- CE marking according to EN 13830
- Highly thermally insulated design with U_f value from 0.51 W/m²K
- Design as SG glazing
- Combination of welded and push-fit connections for unusual shapes

Section detail

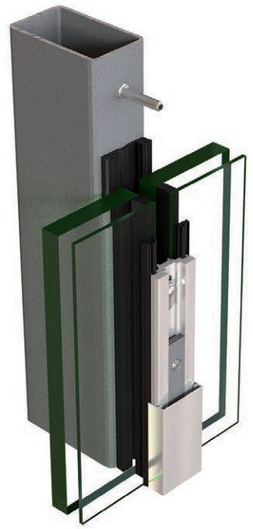


Versions of VISS Basic façade

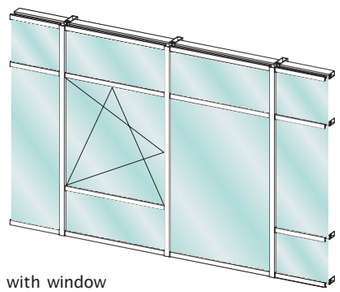
VISS Basic façade



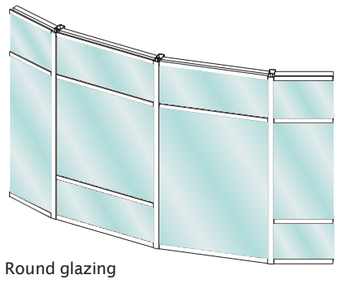
VISS Basic façade RC4



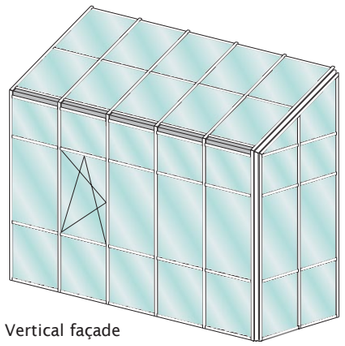
Construction types



with window



Round glazing



Vertical façade
with pitched roof

VISS

VISS façade
The VISS façade solution from Jansen is used in both existing and new buildings. The support structure is a system solution, equipped with a special groove for mounting, making it easier to work with than a free support structure. The large spans meet the structural requirements for large-scale glass formats. At the same time, this highly thermally insulated solution is passive house certified, i.e., it meets the increasing demands for energy-
efficient and energy-saving buildings. In terms of security, burglar resistance up to RC2, RC3 or RC4 or fire protection up to EI90 can be guaranteed. For special requirements, the VISS façade has even been tested against bullet impact and certified up to FB4/NS.

VISS façade HI (highly insulated)
A simple insulating core as an insert is sufficient to make the VISS façade highly insulated. Highly insulated means that the component makes a significant contribution to a building achieving the passive house standard. The U-value (heat transfer coefficient) specified for this is between 0.5 and 0.8 W/m²K. This value is achieved with VISS façade HI in both the 50 mm and
60 mm face widths. With these values, we can provide you with a passive house certificate for this façade.

VISS RC façade (burglar-resistant)
The VISS façade can be made burglar-resistant with just a few additional components. The tested classes are RC2, RC3 and RC4, giving the façade up to 10 minutes of resistance against a well-equipped intruder. Areas of a building with limited visibility can be optimally protected.

VISS façade with fire protection
In order to comply with fire regulations, the VISS façade has successfully passed several fire protection tests. This means that the façade can meet the E/EW/EI requirements for up to 30, 60 or even 90 minutes.

VISS façade SG (structural glazing)
Buildings with Jansen VISS SG or Semi-SG façades set elegant accents. Only a narrow silicone joint separates the large glass panes in this façade. The result is a uniform surface that creates a very homogeneous appearance, especially when viewed from a distance. Panes of up to 2500 mm × 5000 mm (horizontal or vertical) combined with easy implementation of all-glass corner solutions create the illusion of lightness.

Please note country-specific approvals for fire protection.

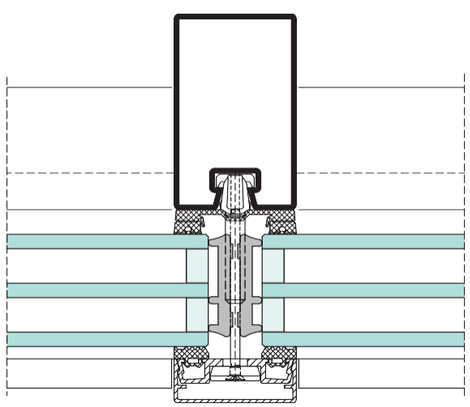
Materials/surface finish
- Uncoated or strip-galvanised steel, suitable for powder coating or stove-enamelling
- Cover sections in aluminium and stainless steel
- VISS Linea Profiles (Personal Profiles) for optical options

Construction types/safety options
- Mullion-mullion-transom construction
- Mullion-transom-mullion construction
- Welded and/or push-fit construction
- Segmental glazing, concave and convex
- Burglar resistance RC2/RC3/RC4
- Bullet resistance up to FB4
- Fire protection E/EW/EI in each case 30/60/90
- Optimum thermal insulation with VISS façade HI
- VISS façade SG (structural glazing)

Special technical features
- Face width 50 mm / 60 mm
- Basic depth according to structural engineering requirements
- Infill element thickness 6 mm – 70 mm

Your benefits
- CE marking according to EN 13830
- Highly thermally insulated design (HI) with U_{cw} value of up to 0.64 W/m²K with passive house certificate (with 50 mm face width)
- Design as SG glazing
- Combination of welded and push-fit connections for unusual shapes

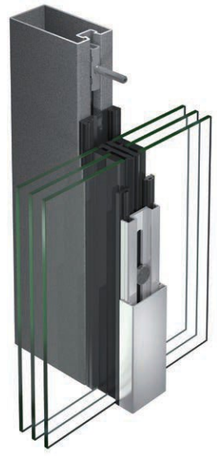
Section detail



Versions of VISS façade

VISS façade

VISS façade HI

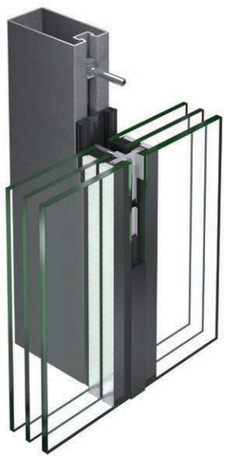


VISS façade RC

VISS Fire EI30

VISS Fire EI60

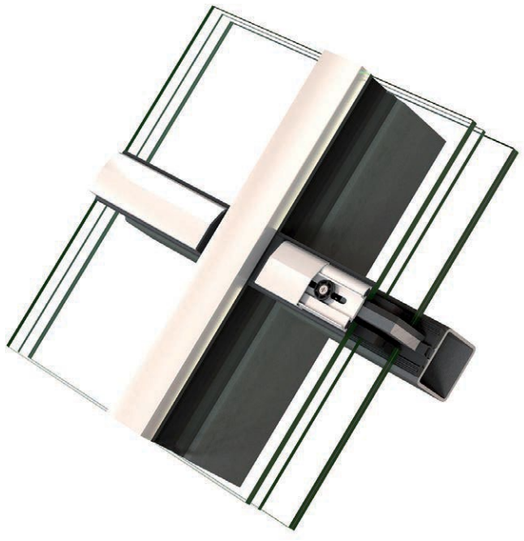
VISS façade SG



VISS façade semi SG

VISS Basic roof glazing

The VISS Basic roof glazing offers architects and metal fabricators a roof construction that can be mounted on any support. The free choice support profiles allow the design of large span rooflights. Another advantage of the system:
the basic depth of the support profiles can be selected to meet structural engineering requirements, opening up new possibilities for the design and construction of a wide variety of roof shapes.



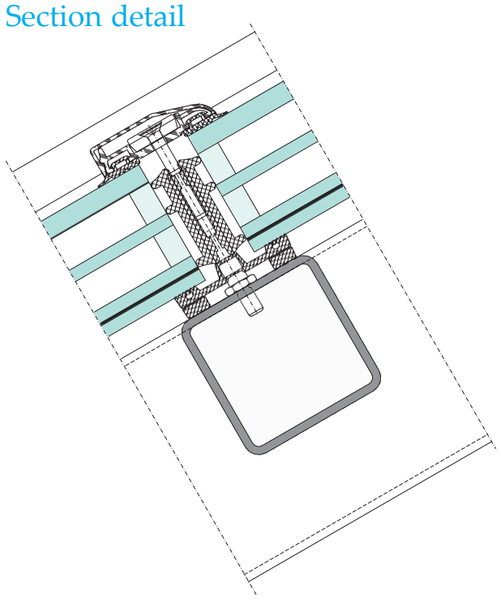
Materials/surface finish
- Cover sections in aluminium or stainless steel

Construction types/safety options
- Mullion-mullion-transom construction
- Welded and/or push-fit construction
- Pyramid, dome, gable glazing, mono-pitch roof, polygon glazing
- Optimum thermal insulation with VISS Basic roof glazing HI

Special technical features
- Face width 50 mm / 60 mm
- Basic depth according to structural engineering requirements
- Infill element thickness 16 mm – 70 mm
- Roof pitches of 7° – 80° (0° – 80° indoors, 0° – 80° on weather-protected roofs)

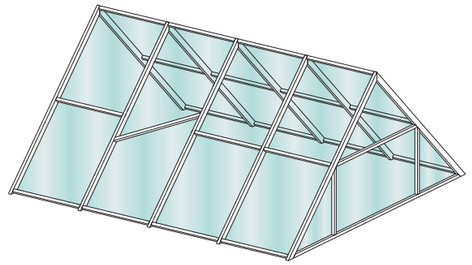
Your benefits
- System tested in accordance with EN 13830 (water quantity 3 l/m³ instead of 2 l/m³)
- Combination of welded and push-fit connections for unusual shapes

Section detail

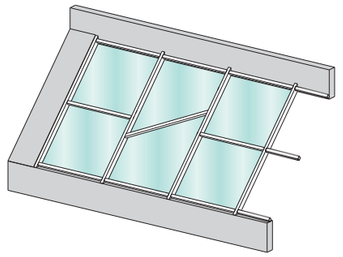


Versions of VISS Basic roof glazing

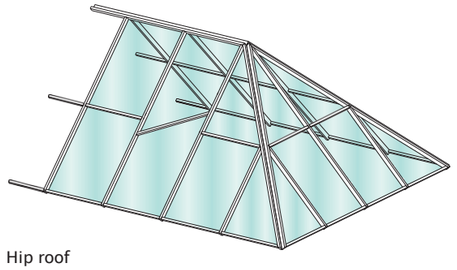
Construction types



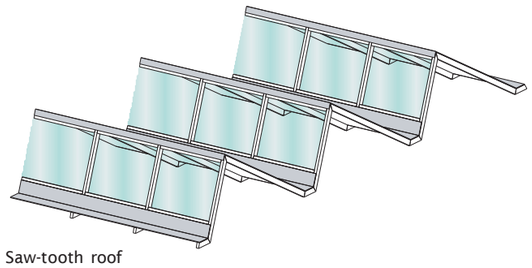
Gable roof



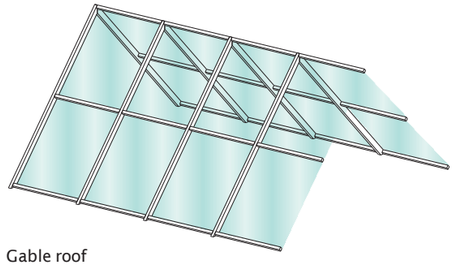
Pitched glazing



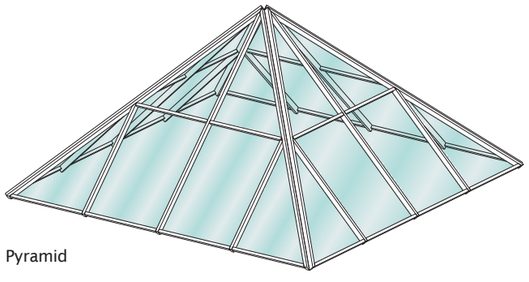
Hip roof



Saw-tooth roof



Gable roof



Pyramid

VISS roof glazing

The VISS roof glazing from Jansen is based on the VISS façade system solution. This means that the same face widths and depths are used vertically. The combination of the two solutions creates a flowing and easy-to-install support structure from the vertical to the slope or even to the horizontal in the interior. The large glass formats that are possible, especially with welded joints, make this particularly attractive. A special feature of VISS roof glazing is the transition from one glass thickness to another: In the same construction, this is achieved by means of just one additional, easy-to-install gasket and enables levelling of up to 10 mm.

On the outside, a highly insulating version of the VISS roof glazing is easy to achieve. Fire protection tests are a further addition for use with all roof shapes. These confirm that, in addition to the VISS façade, the VISS roof glazing also offers up to 90 minutes of protection against heat and fire.

Whether outside or inside, with or without fire protection requirements: Thanks to its versatility, VISS roof glazing offers an almost infinite range of design options. Generous light penetration turns buildings into eye-catchers.

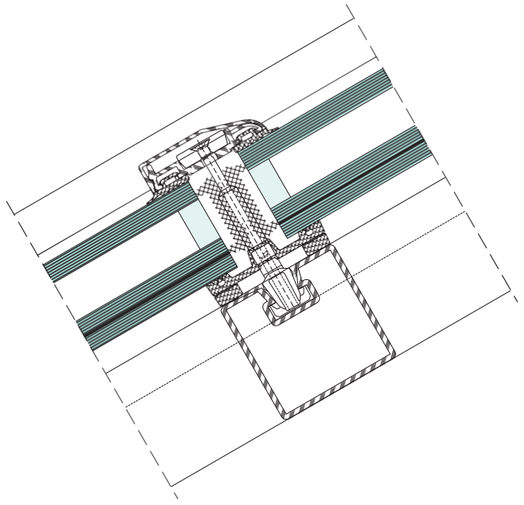
Materials/surface finish
- Uncoated or strip-galvanised steel, suitable for powder coating or stove-enamelling
- Cover sections in aluminium and stainless steel

Construction types/safety options
- Mullion-mullion-transom construction
- Welded and/or push-fit construction
- Optimum thermal insulation with VISS roof glazing HI

Special technical features
- Roof pitches of 7° – 80° (0° – 80° indoors)
- Face width 50 mm / 60 mm
- Basic depth according to structural engineering requirements 50 mm – 280 mm
- Infill element thickness 16 mm – 70 mm

Your benefits
- CE marking possible depending on the version
- Highly thermally insulated design (HI) with U_{cw} value up to 0.64 W/m²K
- Combination of welded and push-fit connections for unusual shapes

Section detail



VISS Fire roof glazing

In order to comply with fire regulations, the VISS roof glazing has successfully passed several fire protection tests according to country-specific requirements. This means that the roof glazing can meet the RE/REW/REI requirements for up to 30, 45 or even 60 minutes. A successfully passed fire test for EI30 for all types of roofs is a further addition.

Please note country-specific approvals for fire protection.

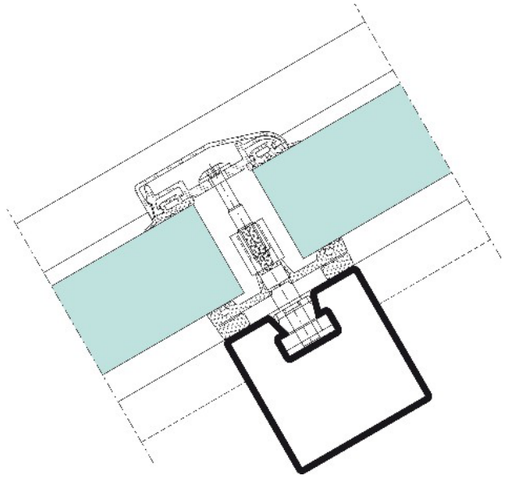
Materials/surface finish
- Uncoated or strip-galvanised steel, suitable for powder coating or stove-enamelling
- Cover sections in aluminium and stainless steel

Construction types/safety options
- Mullion-mullion-transom construction
- Welded and/or push-fit construction
- Fire protection RE/REW/REI in each case 30/45/60 or EI30

Special technical features
- Roof pitches of 7° – 80° (0° – 80° indoors)
- Face width 50 mm / 60 mm
- Basic depth according to structural engineering requirements
- Infill element thickness 16 mm – 70 mm

Your benefits
- CE marking possible depending on the version
- Combination of welded and push-fit connections for unusual shapes

Section detail



Folding and sliding doors

Redefining the experience of space: Whether in private homes or public buildings, in the building envelope or as a room divider, there is no more space-saving way to combine opening and light.

Large sliding systems and flexible folding wall systems create a unique, airy room ambience. They provide a stylish connection to the outside while keeping out noise and odours with full transparency.

Smooth operation and quiet operation are tested, as are barrier- free threshold solutions and burglar resistance.

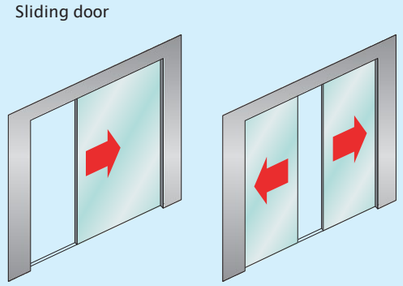
Sliding and folding doors are generally defined by the way the weight is distributed, which, unlike a side-hung door, does not affect one side, but is absorbed on the top or bottom. They are used where face-fitted doors take up unnecessary space and offer formats that are too large for single-sided hanging with conventional side-hung doors. For lift-and-slide systems, the type of opening is referred to as a scheme, which is labelled with letters. This indicates which parts of the structure are movable and which are fixed, or in which direction they move.

System solutions for folding and sliding systems can be found in the following series:

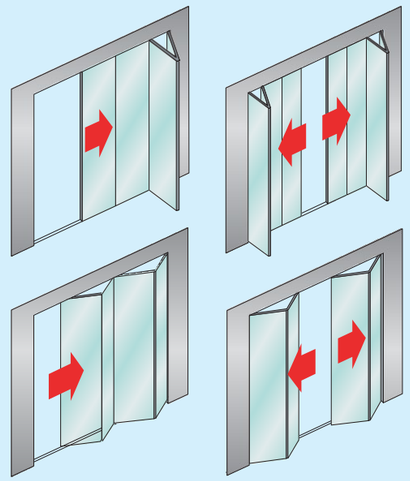
- **Lift-and-slide door**
- **Folding wall**
- **Arte 2.0 sliding door**
- **EI30 fire-resistant sliding door**

Opening types

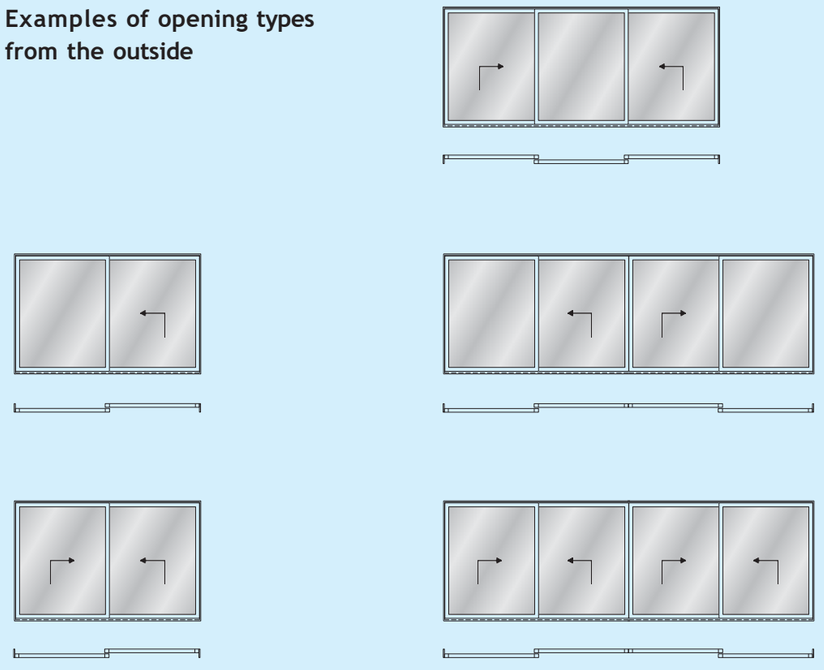
Sliding door



Folding sliding door



Examples of opening types from the outside



Lift-and-Slide Door

Thermally insulated lift-and-slide doors from the system solution offer narrow face widths combined with maximum functionality and safety/security. The lifting mechanism presses the gasket into place when the door is closed, resulting in an exceptionally tight door, which is reflected in the lift- and-slide door's excellent resistance to, for example, driving rain.

In high-rise buildings, steel is a particularly resilient material: the higher the building, the greater the suction and wind loads. Due to the strength of the material, the deformation is minimal, and the material returns to its original state. In increasingly densely populated cities, living space is precious: Buildings are getting taller and living spaces smaller. Sliding systems that can withstand the elements and yet take up minimal space are therefore, an ideal solution. Minimum face widths and infill units up to 57 mm ensure a comfortable interior while allowing light to enter.

Materials/surface finish
- Uncoated steel or strip-galvanised steel, suitable for powder coating or stove-enamelling

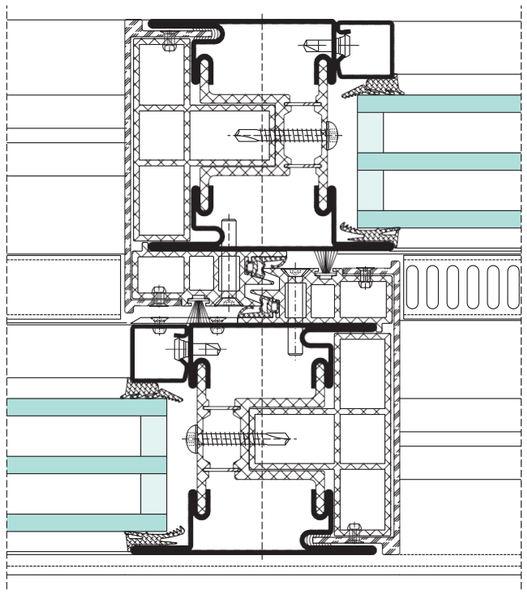
Element types
- Two, three and four leaf lift-and-slide windows, with and without fixed elements ((scheme A, C, D, F, K) see next page)

Design options/safety options
- Burglar resistance RC1N to RC2
- Motorised version

Special technical features
- Leaf size up to 3310 mm × 3200 mm
- Frame face width incl. leaf 113.5 mm
- Special solution up to 600 kg/leaf

Your benefits
- System solution with CE marking
- Different panel sizes

Section detail



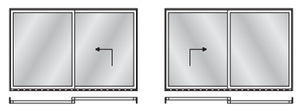
Design/safety options

Burglar resistance RC 1-2

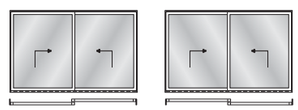
Motorised Janisol lift-and-slide door

Element types

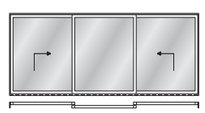
Scheme A left
Scheme A right



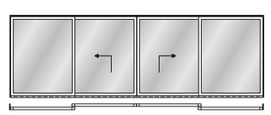
Scheme D left
Scheme D right



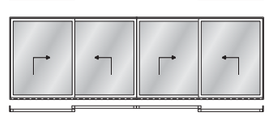
Scheme K



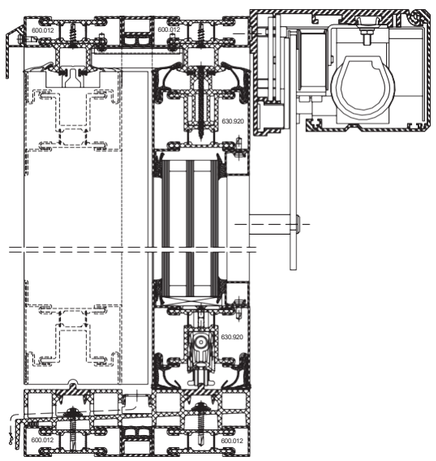
Scheme C



Scheme F



Motorised version



Folding Partition

The folding partition is based on the tried-and-tested system. A folding partition can save and easily open up space, both indoors and outdoors. The individual panels are pushed together on rails and stowed to the side to save space. Depending on the space available in the side area, a wide variety of combinations are possible. Either all the leaves move to one side or they are evenly distributed – and there are plenty of options in between. The Janisol folding partition is thermally insulated and easy to operate. Very good values, for example for watertightness or sound insulation, make it a living companion, both indoors and outdoors.

Materials/surface finish
- Uncoated steel or strip-galvanised steel, suitable for powder coating or stove-enamelling

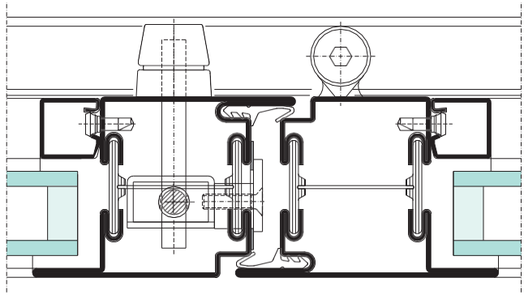
Element types
- Two to six leaves can be folded inwards or outwards (see next page)

Design options/safety options
- Barrier-free folding door

Special technical features
- Basic depth 60 mm
- Leaf size up to 1000 mm × 2900 mm
- Frame face width incl. leaf 82.5 mm
- Faceplate width 10 mm

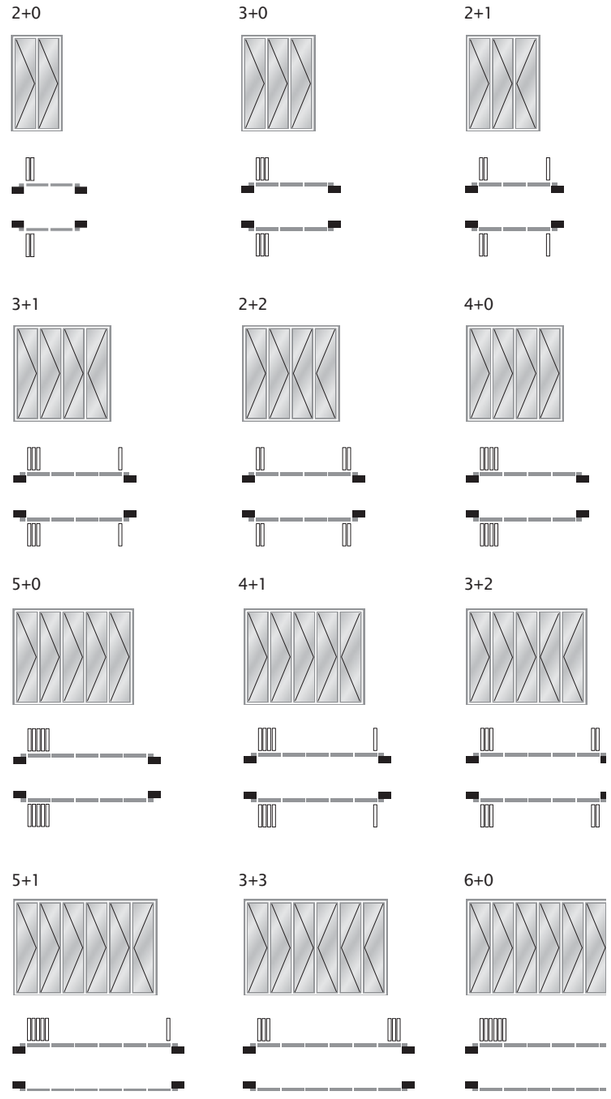
Your benefits
- CE marking
- Any leaf layout

Section detail



Design/safety options

Element types



Arte 2.0 Sliding Door

The extremely delicate Arte steel profile system can be used to create large sliding doors with narrow face widths and high stability. Originally developed by Jansen for the reconstruction of historic windows, Janisol Arte now also offers architects and planners the opportunity to structure large glass fronts in new buildings.

Materials/surface finish
- Strip-galvanised steel, suitable for powder coating or stove-enamelling
- Stainless steel 1.4401
- Corten

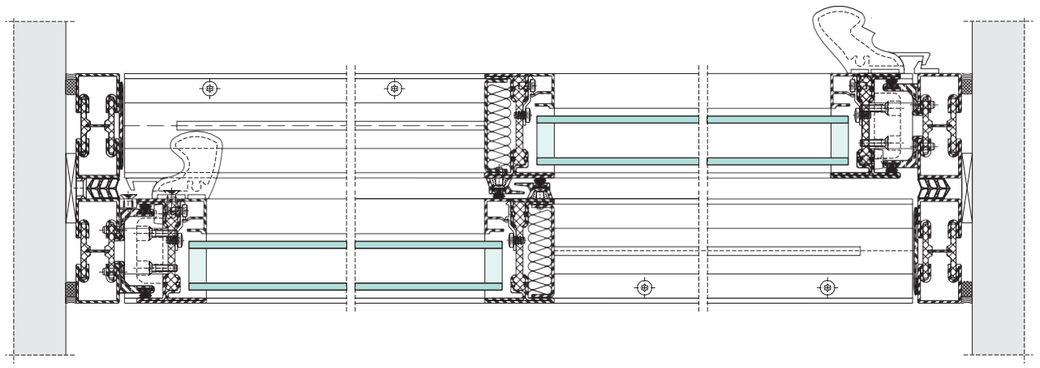
Element types
- Double leaf sliding door with left or right stop

Design options/safety options
- Barrier-free folding door

Special technical features
- Insulating glazing from 20 mm – 34 mm
- Leaf size up to 1500 mm × 2500 mm
- Max. leaf weight 150 kg/leaf
- Sound insulation up to 41 dB

Your benefits
- CE marking
- Available in all materials (steel, stainless steel, Corten) from stock

Section detail



EI30 Fire-Resistant Sliding Door

The EI30 fire-resistant sliding door is used in high- traffic barrier-free buildings such as shopping centres, stadiums or administrative buildings. The automatically opening door system has been successfully tested to EN 1634 fire resistance class EI30, with or without an integrated escape door function and with a wide range of drive motors, glass inserts and panels.

Please note country-specific approvals for fire protection.

Materials/surface finish
- Uncoated steel or strip-galvanised steel, suitable for powder coating or stove-enamelling

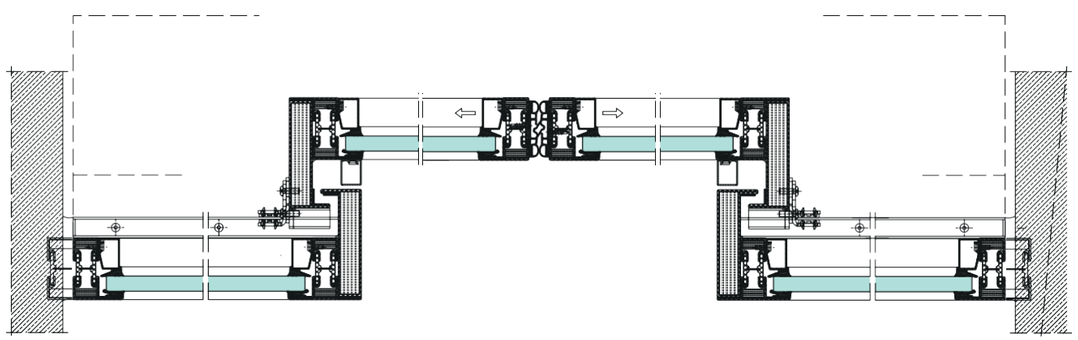
Element types
- Single and double doors, with and without fixed side lights or top lights

Design options/safety options
- Emergency exit door
- Fire protection door
- Break-in or break-out function
- Barrier-free door

Special technical features
- Basic depth of window leaf 90 mm, fixed glazing 80 mm
- Leaf size e.g. 1400 mm × 2500 mm (without integrated escape door function)
- Faceplate width from 115 mm

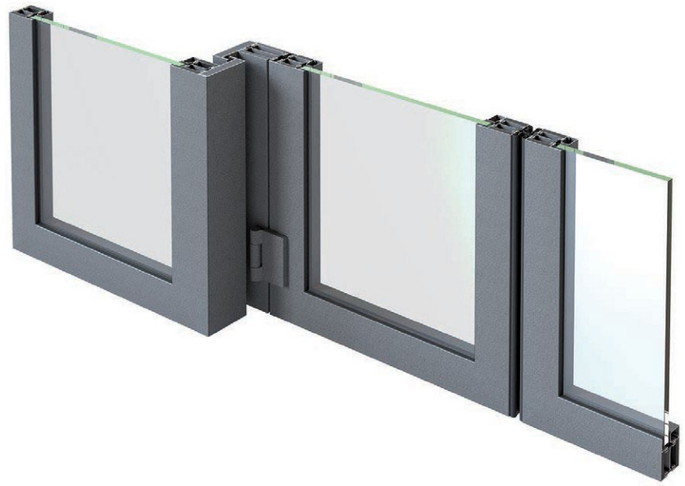
Your benefits
- Multiple safety/security applications can be combined in one system
- Full automation enables contactless access
- CE marking by drive supplier possible

Section detail

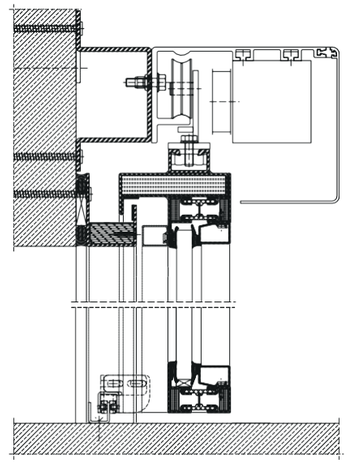


Design/safety options

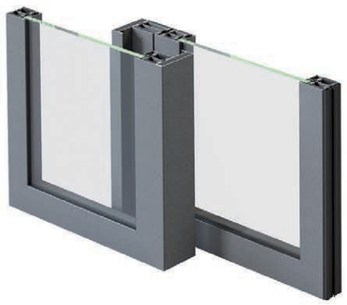
Break-out function closed



Barrier-free



Break-out function open



Advantages of Steel

Sustainable
The CO_2 footprint of a building can be reduced with the use of steel. Steel requires significantly less process energy during production compared to alternative materials. The material is also extremely robust and durable. As a result, steel profiles require little maintenance and replacement over time. At the end of its life cycle, steel can be recycled indefinitely without adding other materials and without losing quality. In our EPDs, these advantages of steel are included in the evaluation. Steel is therefore the material most likely to meet the requirements of the 'Green Deal'. Jansen steel profiles score with a CO_2 value of 1.6 kg CO_2/kg steel.

Noble, filigree and versatile
Whether in new buildings or renovations, steel allows design freedom like no other material. Thanks to the strength of the material, extremely slim profiles can be processed which, despite their filigree structure, can support large glass elements. This creates maximum transparency and incidence of light, blurring the boundaries between interior and exterior spaces.
With material variants such as stainless steel or Corten, steel offers further design options to create a unique room ambience. In addition, steel can be shaped extremely freely, which creates additional design freedom. In short: steel brings functionality and design into harmony.

Safe
Steel is inherently more fire resistant than other materials, which makes it a safe choice for windows, doors and façades where fire protection is key. We therefore offer fire-tested systems up to EI90, which include all elements such as glass, hinges, fittings, and accessories. Due to its strength, steel is also the ideal solution for burglar and bullet resistance. As a result, Jansen steel systems are often used when buildings must meet high security standards. This is the case, for example, with parliament buildings, museums, banks, or penitentiaries.

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