

More space, more light, a better quality of life:
The high insulated folding sliding doors
from Schweizer.



An easy perspective:
Folding sliding doors enable greater
transparency.



Whether for a modern new building or for the renovation of an old building – insulated folding sliding doors extend the living area and increase the quality of life: daylight and sunshine flood the living area or conservatory and create a light, spacious atmosphere.

With their different designs, insulated folding sliding doors from Schweizer are particularly suitable for an external room partition and heated conservatories – because they exhibit excellent heat and soundproofing values. The transitions between inside and outside become smooth because the folding sliding doors can be opened along their entire length: the conservatory or the living area is instantly transformed into an enhanced open, area.

Three types are available: the insulated folding sliding door IS-4000, the highly insulated folding sliding door IS-4400 and the elegant and flush IS-4000-SSG (Structural Silicone Glazing).



Open House

The well thought-out folding technique of the doors (inwards or outwards depending on request and model) makes it possible to open the doors along its entire length.



Finger crush protection:

- A safety zone between the sections protects against accidents with crushed fingers

Glass as required:

- The insulation glass is selected depending on the requirements for thermal insulation and soundproofing

Aluminium – the proven material:

- The aluminium sections offer protection against wind and weather
- The design in terms of colour is practically limitless
- Our 30 highly weatherproof standard colours convince with excellent long-term protection and colour fastness

Fittings:

- Elegant and high-quality fittings in aluminium or chromium steel

Insulated sections:

- All sections are thermally insulated by means of multi-chamber insulators

Airtight with high-quality material:

- The seals made of high-quality EPDM rubber with vulcanised corners guarantee excellent air tightness

Large constructions take shape.
With insulated folding sliding doors
from Schweizer.





«Folding sliding doors from Schweizer are not just an optical improvement. They bring more quality of life and increase the value of the property.»



As if you were sitting outside.

Folding sliding doors for conservatories and living room partitions.





Ideal for all applications:

The folding sliding door IS-4000.

The IS-4000 is a free-moving, fully insulated folding sliding door with high comfort and many application possibilities. It can be folded and opened inwards or outwards. The floor rail is free of doorsills, thermally insulated and prepared for the drainage to be planned on site. The system can run optionally on the top or bottom. The glass units have a thickness of 28 mm, soundproofing and thermal insulation according to requirements. The IS-4000 folding sliding door can be integrated into post-and-beam systems and can be equipped with tilt turn windows. The model is compatible with the IS-3 insulated window system from Schweizer and is suitable for integration into straight walls and with 90° corners. For the purpose of cleaning the outer surface, e.g. for balconies, the internal hinge pin is removable. If required, the IS-4000 foldable glass wall is available with increased burglar resistance.

Insulated folding glass wall IS-4000

Aluminium sections	thermally insulated
Panel depth	67 mm
Outer frame	deliverable with or without
Construction depth of the outer frame	86 mm
Panel width	500–950 mm
Panel height	1200–2700 mm
Number of panels	up to 10
Type of installation	for straight walls and 90° corners
Glass fold bead	optionally standard, Techno-Look or Linea

Tests

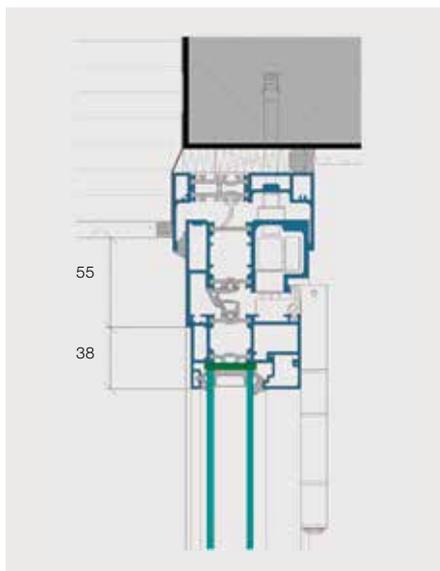
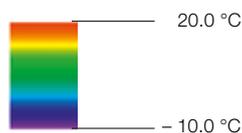
Water tightness under heavy rain	DIN EN 12155
Air permeability	DIN EN 12153
Resistance to wind load	DIN EN 12179
Burglar resistance*	DIN ENV 1627-30 WK2

*only deliverable in a limited range

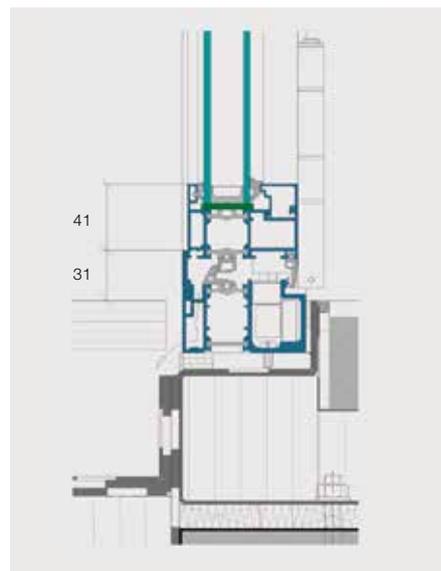
Thermal insulation values

Basis for calculation:

Frame size	2,2x4,2 m
Number of wings	5
Glass proportion	77 %
Inner temperature	20 °C
Outer temperature	-10 °C



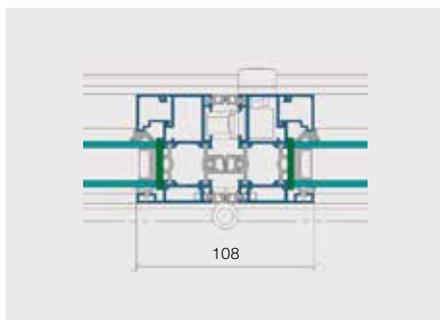
Vertical section top, opening inwards



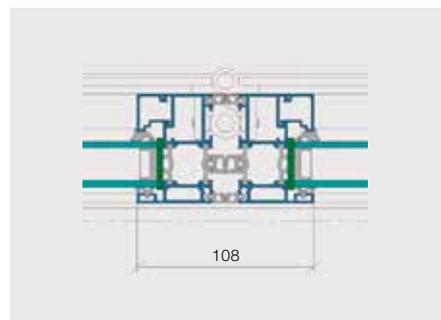
Vertical section bottom, opening inwards



Horizontal section with opening part, opening inwards



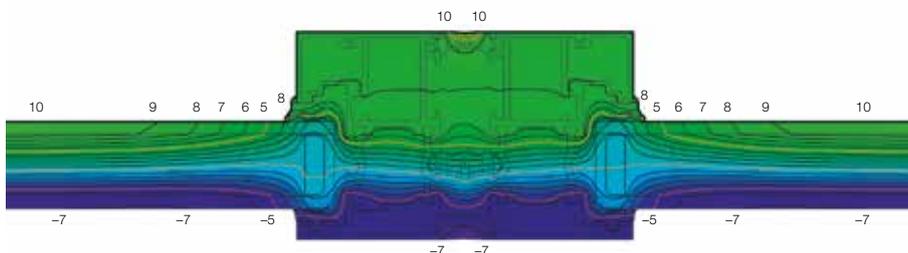
Centre section with fastening, opening inwards



Centre section with inner strip

Glass thermal transmittance coefficient U_g	W/m^2K	1.1 (double-glazing)
Edge bond		aluminium chromium steel
Element thermal transmittance coefficient U_w	W/m^2K	1.75 1.69

Isothermal diagram IS-4000, centre section



With outstanding thermal insulation values:

The folding sliding door IS-4400.

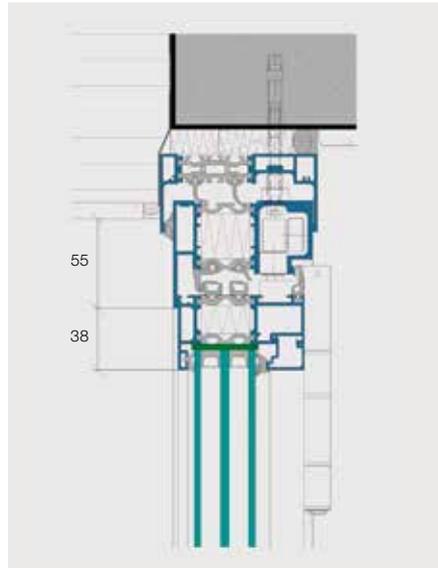
The highly insulated system

The IS-4400 folding sliding door is primarily employed wherever higher requirements are set on thermal insulation and design. The floor rail is free of doorsills, thermally insulated and prepared for the drainage to be planned on site. The system can run optionally on the top or bottom. The IS-4400 folding sliding door achieves 30 percent better thermal insulation values than the IS-4000 but still offers extremely slim sections and can be inwards or outwards opened and operated from inside or outside. This folding glass wall is also manufactured by Schweizer according to individual requirements.

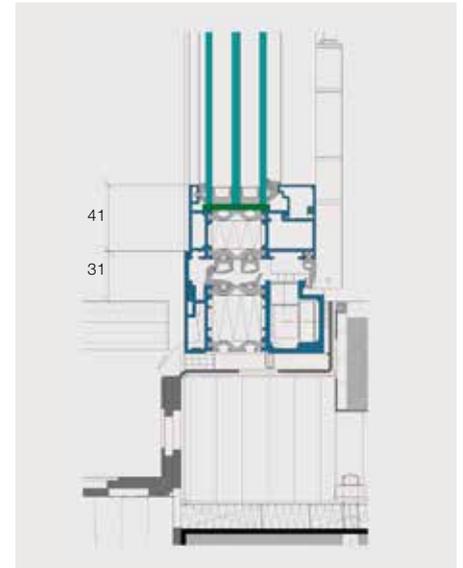
The highly insulating glass units have a thickness of 37 mm, sound and thermal insulation are offered depending upon requirements. For the purpose of cleaning the outer surface, e.g. for balconies, the hinge pin is removable from the inside.

Insulated folding sliding door IS-4400

Aluminium sections	thermally insulated
Panel depth	77 mm
Outer frame	only deliverable with balancing frame
Construction Depth of the outer frame	96 mm
Panel width	500–950 mm
Panel height	1200–2700 mm
Number of panels	up to 7
Type of installation	for straight walls
Glass fold bead	optionally standard, Techno-Look or Linea



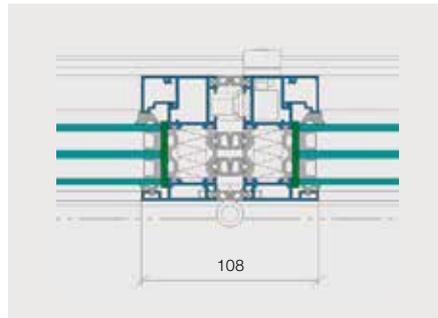
Vertical section top, opening inwards



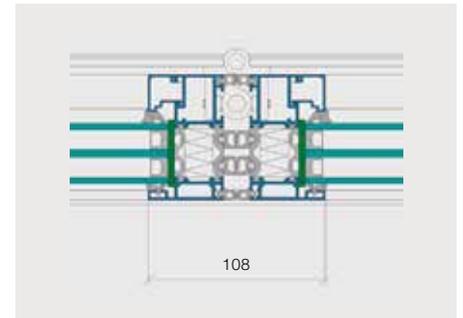
Vertical section bottom, opening inwards



Lateral frame with opening part, opening inwards



Centre section with fastening, opening inwards



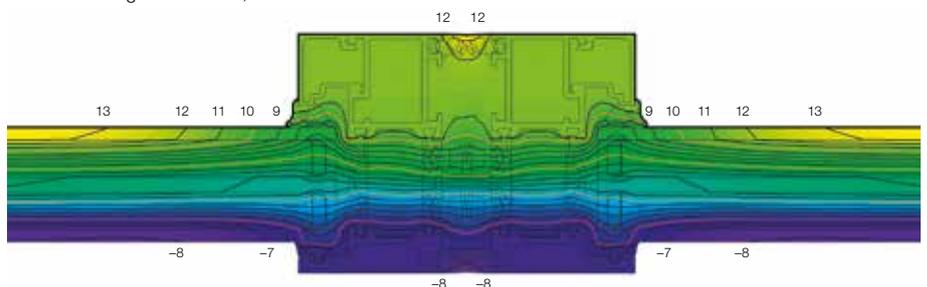
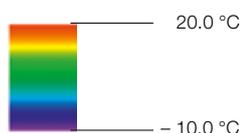
Centre section with inner strip

Thermal insulation values

Basis for calculation:
 Frame size 2,2 x 4,2 m
 Number of wings 5
 Glass proportion 77 %
 Inner temperature 20 °C
 Outer temperature -10 °C

Glass thermal transmittance coefficient U^G	W/m ² K	0.7 (triple-glazing)
Edge bond		aluminium chromium steel
Element thermal transmittance coefficient U^W	W/m ² K	1.22 1.16

Isothermal diagram IS-4400, centre section



Exclusive elegance:

The folding sliding door IS-4000-SSG.

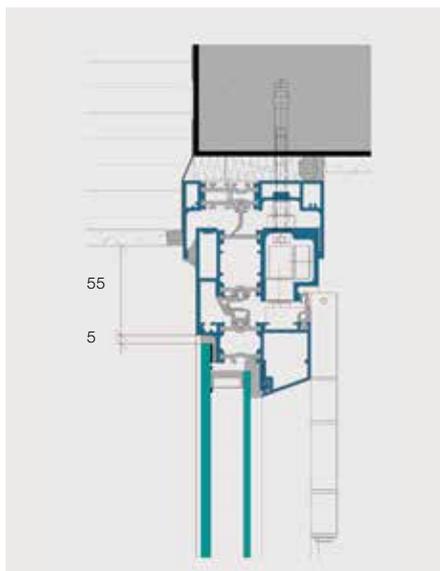
Modern and flush

The IS-4000-SSG folding sliding door possesses all the good features of the IS-4000 but, thanks to its full coverage exterior glazing, appears particularly elegant. The floor rail is free of doorsills, thermally insulated and prepared for the drainage to be planned on site. The system can run optionally from the top or bottom. The side view is fully flush outside and the panels appear even slimmer. The IS-4000-SSG can only be folded and opened to the inside. As the IS-4000, it is made to order.

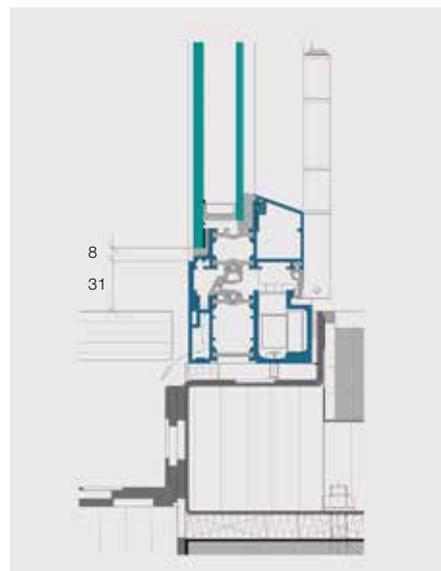
The Structural Silicone Glazing (SSG) adhesive method enables frameless glazing. The glazing with a hardened outer pane has a thickness of 30 mm, various types of glass are available; sound and thermal insulation depends on requirements. The IS-4000-SSG folding glass wall can be integrated into post-and-beam systems, is compatible with the IS-3 insulated window system from Schweizer and is suitable for straight walls. For the purpose of cleaning the outer surface, e.g. for balconies, the hinge pin is removable from the inside.

Insulated folding glass wall IS-4000-SSG

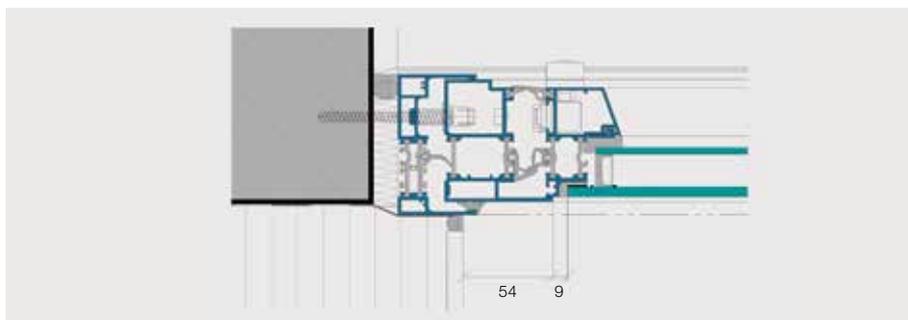
Aluminium sections	thermally insulated
Panel depth	67 mm
Outer frame	deliverable with or without
Construction depth of the outer frame	86 mm
Panel width	500–950 mm
Panel height	1200–2700 mm
Number of panels	up to 10
Type of installation	for straight walls
Glass fold bead	no glass fold bead



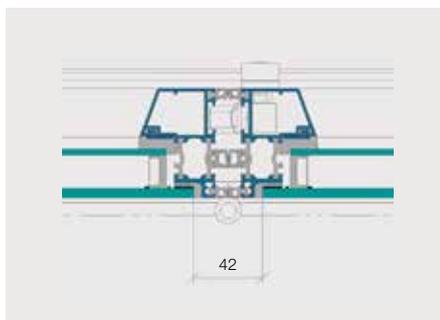
Top of vertical section, opening inwards



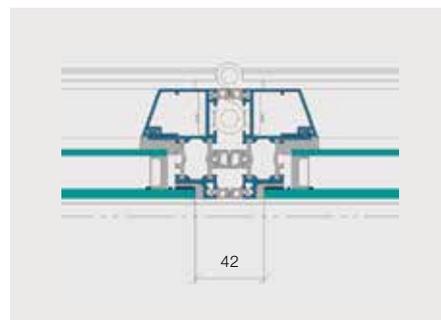
Bottom vertical section, opening inwards



Lateral frame with opening part, opening inwards



Centre section with fastening, opening inwards



Centre section with inner strip, opening inwards



Impressively elegant even close-up: slim wings and flush views thanks to frameless glazing.

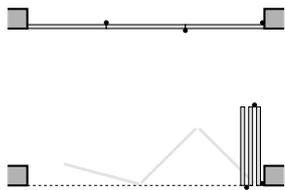
Appropriate for different building situations:

The numerous opening types for our folding sliding doors.

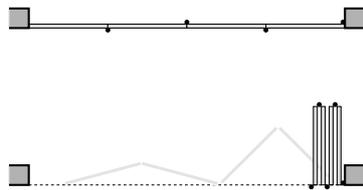
Folding sliding doors IS-4000, IS-4400, IS-4000-SSG

Pictorial schematics for straight applications, opening inwards

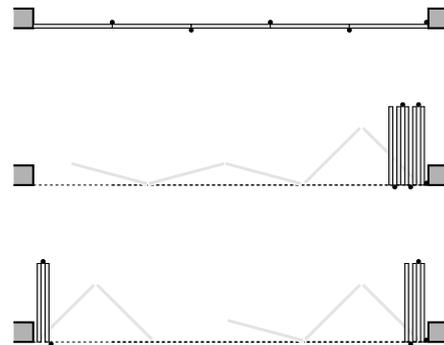
3 panels



4 panels



5 panels

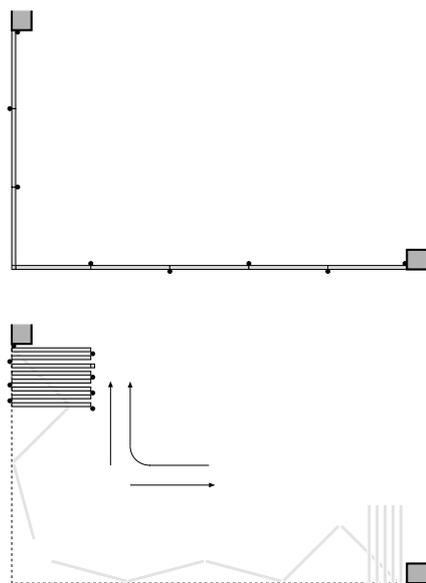


The IS-4000 and IS-4400 folding sliding doors are also available opening outwards.

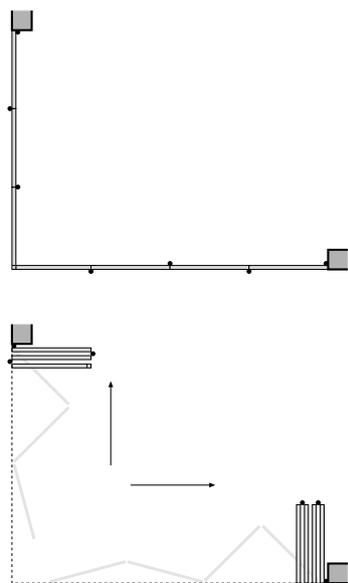
Folding sliding door IS-4000

Pictorial schematics for corner systems

Postless radius system



Postless corner system



Simple, practical, good.

Folding sliding doors from Schweizer are long-lasting and user-friendly.

Folding sliding doors from Schweizer are simple to use. Thanks to a sophisticated technique and the use of high-quality materials.

The folding sliding doors from Schweizer allow a large scope for design because the made-to-order production enables unlimited individuality. We advise and support builders, planners and architects in all matters and guarantee professional assembly and maintenance. Folding

glass walls from Schweizer are also available from our regional partners.

Practical handling

With the development of the folding sliding doors, the specialists from Schweizer place great value on simple use and safety. With only a few manipulations and without force the folding sliding doors can be quickly opened and closed.

Quality that pays off

Schweizer develops and manufactures all products in Switzerland. They are distinguished by their high quality, are weather-resistant and long-lasting. In addition, Schweizer guarantees a 10-year spare parts warranty.



Finger crush protection

A safety zone between the sections protects against accidents with crushed fingers.



30 standard colours, a thousand special requests

For the metal frames we offer you 30 standard shades of colour in highly weather-resistant quality. Furthermore, lacquers in RAL or NCSF colours are also available in conventional powder quality or, if required (when deliverable) in highly weatherproof quality. In addition, anodised surfaces are possible.



Individual service solutions

Regular maintenance increases the lifetime and saves costs. Therefore, Schweizer offers you not only first class products but also a comprehensive service. Service and maintenance contracts can be completed for all folding glass walls. We will be pleased to advise you on a change of use.

Everything for building and renovating:

Further products in the field of windows and doors from Schweizer.

Apart from the insulated folding sliding doors presented in this brochure, our range in the field of windows and doors offers other top products. Here is a short overview:

- Folding sliding doors for unheated buffer zones
- Sliding doors
- Aluminium windows and doors
- Fire doors



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