

# WICSLIDE 75FD

## A bigger view of the city



Folding/sliding aluminium doors











# » Open up your living space WICSLIDE 75FD





## Large spaces! Wide openings! More modularity!

Current architectural trends present major challenges in the search for greater dimensions, the desire to increase living space, and the need for greater modularity.

To meet this demand, WICONA is expanding its range of aluminium doors with the WICSLIDE 75FD folding/sliding door.

### Meeting the needs of many markets

Safe, high-performance, aesthetically pleasing, easy to assemble and install, the WICSLIDE 75FD folding/sliding door can be used as a partition for conference rooms, a retractable window for show-rooms such as car dealerships, in theatres for maximum modularity, or as an opening façade for hotel and restaurant terraces.

The WICSLIDE 75FD folding/sliding door offers full opening, creating expanded living space in both the high-end residential and the commercial property markets.

### Tall doors, wide openings

This door system is notable for its large dimensions. Guided by upper and lower roller assemblies, with 4 stainless steel rollers, each leaf can support a load of up to 150 kg. The adjustable and completely concealed system enables you to combine up to 10 leaves, with a maximum height of 3 metres and a width of 1.20 metres each. In total, the door can be 12 metres long, giving an opening of over 10 metres. The WICSLIDE 75FD folding/sliding door is available in two versions: standard or heavy-duty for XXL sizes.

The WICSLIDE 75FD folding/sliding aluminium door is the ideal solution for modular spaces and for allowing the maximum width when open, while minimising the space required for the folded leaves.



**High aesthetics**



**Unisys principle**



**Architectural freedom**



**Easy to fabricate and install**

# » Efficiency, simplicity, design

Finishes on the WICSLIDE 75FD folding/sliding doors are carefully designed for visual harmony in both open and closed positions.

## Modern design and attention to detail – open position

The black coating of the vertical areas of the leaves, including the slot covers, hinges, roller assembly and joints, makes the hardware extremely discreet, with a finish that blends in perfectly with the whole.

Finishes have been designed to the last detail: for example, when open, all elements are black, the screw heads are concealed by black caps which form part of the seal, and the lower rollers are concealed by black covers.



Concealed screw heads



Concealed lower rollers



All elements are black when opened



**Modern design and attention to detail – closed position**

The profiles are flush and their presence is dignified and balanced. The black hinges are integrated into the vertical line of the seal.



Ergonomic pull handle



Black hinges integrated into vertical line of seal

**Two handle types are available:**

- An extra-flat handle in stainless steel design for a contemporary look. The semi-cylinder lock covers can be painted any colour. Fixings are invisible when closed. The handle is designed so that the profiles or keys are not damaged in the folded position.
- An ergonomic pull handle, no wider than the joints, ensures the best possible discreet integration into the leaves. The handle is mounted on hinges to make opening and closing easier.



Paintable extra-flat handle



Paintable lock cover



Extra-flat handle, stainless steel design



Stainless steel design lock cover





## » Folding / sliding door WICSLIDE 75FD

WICONA's door range is one of the brand's star products. As well as the quality and performance aspects of its doors, WICONA puts simplification at the heart of its relationship with fabricators. Therefore the WICSLIDE 75FD folding / sliding door is particularly simple to assemble and install: a smaller range of parts, reversible profiles, vertical and lateral adjustment for rollers and frames for perfect installation and handling, to highlight a few benefits.

### Multiple use of system components

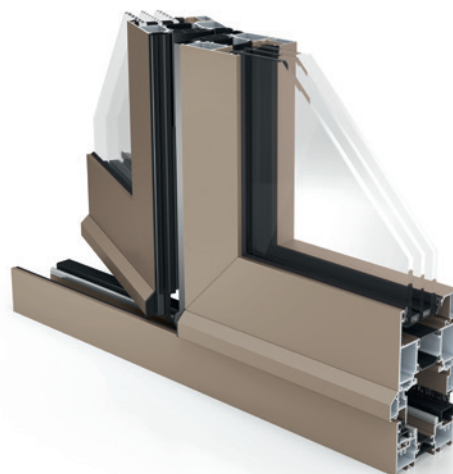
- Same inner and outer glazing gasket as for WICLINE window, WICSTYLE door and WICSLIDE sliding systems
- Compatible with the WICLINE 75 evo and WICSTYLE 75 evo series



Symmetrical profiles: simple reversible system

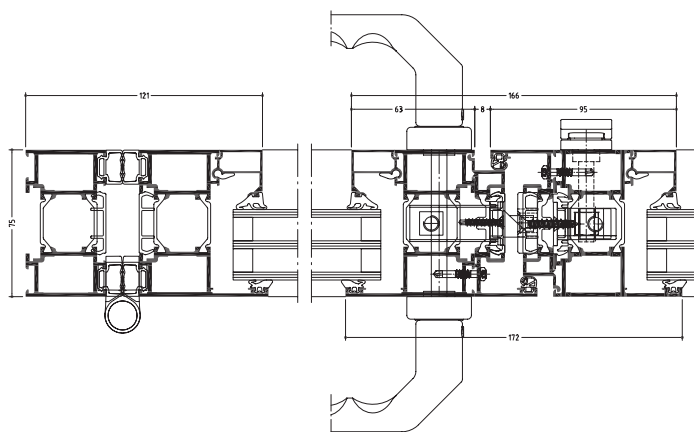






The WICSLIDE 75FD folding/sliding aluminium door is the ideal solution for modular spaces, allowing for maximum width when open, while minimising the space required for the folded leaves.

It can be used as a partition for conference rooms, a retractable window for display areas such as car dealerships, or even as an opening façade for hotel and restaurant terraces.



Horizontal cross-section

### Technical performance

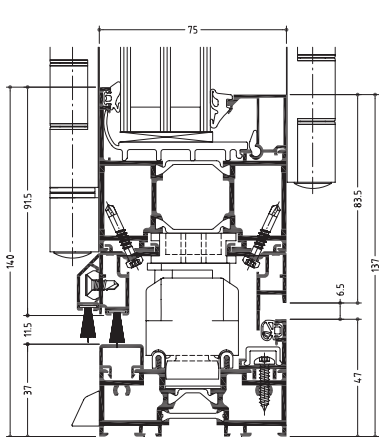
- Infill thickness from 6 mm to 60 mm
- Folding / sliding elements with three to ten leaves
- Opening right or left
- Inward or outward opening
- Main leaf positioned centrally or to one side
- Standard and heavy-duty versions
- Threshold:
  - Double brush seal
  - Flush for persons with reduced mobility
  - Frame profile for improved performance
  - For higher requirements with gasket
- Hardware corrosion resistance:
  - Grade 5 (420 h in neutral spray)
- Simple to adjust on site (vertical and lateral):
  - Vertical + 3 mm / - 1 mm
  - Lateral +/- 5 mm
- Glazing with identical dimensions
- Max. leaf sizes (w): up to 1 200 mm
- Max. leaf sizes (h): up to 3 000 mm
- Weight of leaves up to 150 kg
- Profile depth 75 mm
- Three-point locking, with keys

### Thermal performance :

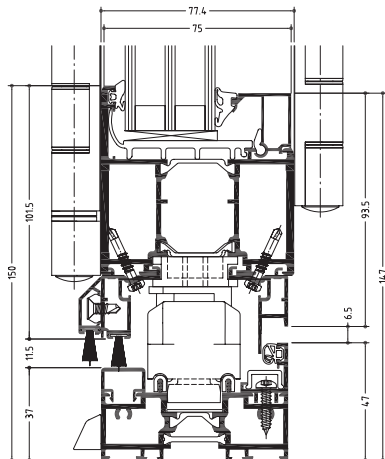
- 3-leaf door (w x h): 3 773 mm x 3 148 mm
  - $U_d = 1.5 \text{ W/(m}^2\text{K)}$  with  $U_g = 1.1 \text{ W/(m}^2\text{K)}$  double-glazed
  - $U_d = 1.0 \text{ W/(m}^2\text{K)}$  with  $U_g = 0.6 \text{ W/(m}^2\text{K)}$  triple-glazed

	Outward opening
Air permeability:	Class 3
Watertightness:	8A
Resistance to wind load:	Up to Class 3
Operating forces:	Class 1 (under 100 N)
Mechanical resistance:	Class 3
Acoustic performance*:	42 dB
Repeated opening / closing*:	Class 2: 25 000 cycles (3 leaves of 150 kg)
Anticorrosion:	Grade 5

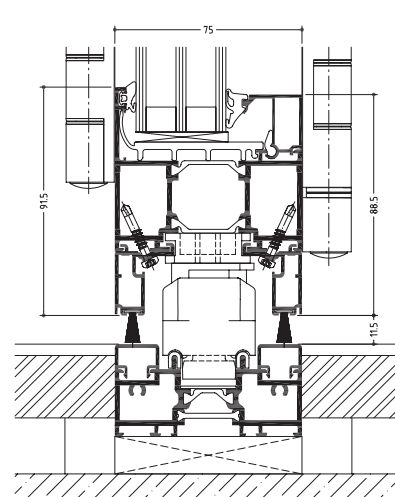
\* under verification



Standard version



Heavy-duty version



Recessed PMR threshold





# Maximum modularity

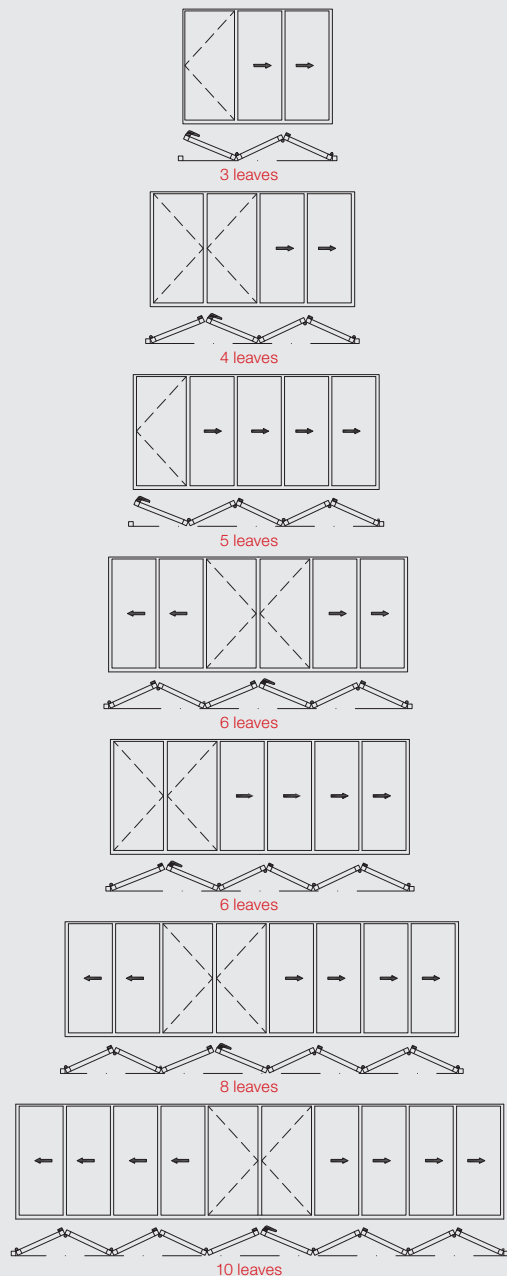
The WICSLIDE 75FD folding/sliding door offers a wide range of configurations to suit all requirements and easily open up your spaces.

Many types of opening are possible, from 3 to 10 leaves, with either a central opening to emphasise the separation of two spaces when opening in two halves, left and right, or a side opening for a panoramic view.

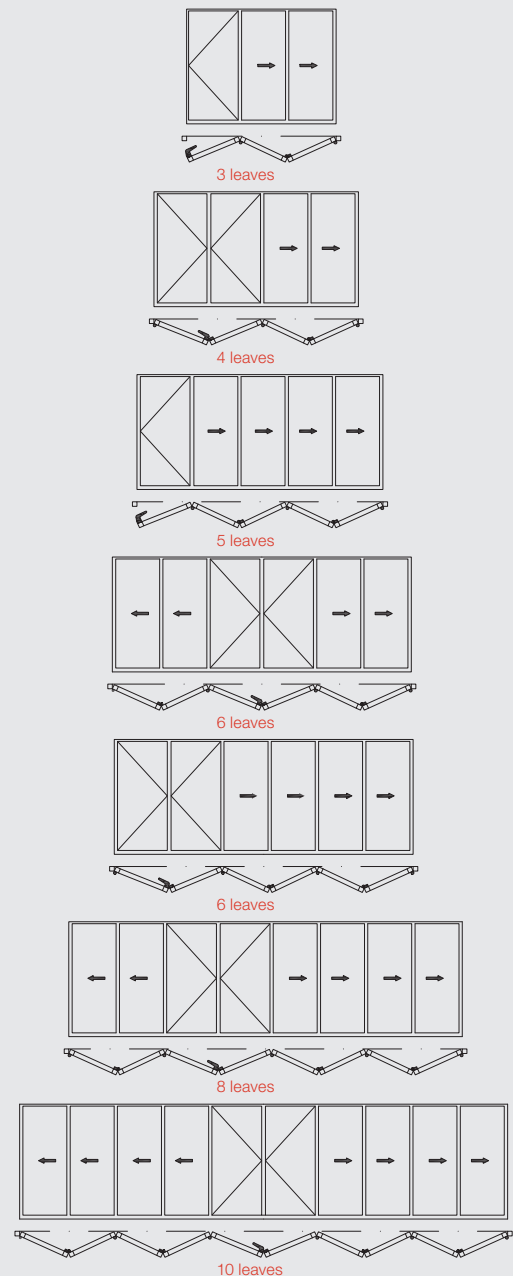
When opened, the leaves can be positioned outside in order to maximise the living space, or inside to blur the visible boundary when looking from outside.

## Opening systems

### Inward opening



### Outward opening



# » Reinvent the city with us

Since 2008, says the United Nations, 50% of the world's population lives in towns and cities, some of which have grown to megalopolis proportions in just a few decades; 36 of them are now home to more than 10 million inhabitants.

In 2020, 80% of Europeans will be living in urban areas. By 2050, two-thirds (namely 70%) of those living on our planet will be city-dwellers. 2050 is only just around the corner.

That new population density presents us with a huge challenge to overcome - how can we live together successfully under such conditions? - but other factors also have a direct influence on the highly complex system we call "the city". Climate change, depletion of natural resources, starting with fossil fuels and water, decreasing availability of building land, the digital revolution, new ways of living... All represent constraints and opportunities, and force us to re-think our cities. Most importantly, we need to establish and reinvent how we relate to the city, and more than anything, how we relate to one another. How we relate to a new type of urbanism.

There is a new order, and a wealth of possible solutions. For a number of years now, many people have been imagining an intelligent,

interactive city - the "connected" or smart city - which adapts to our needs through new technologies, particularly information and communication (NICTs). Our world is like a huge experimental laboratory, with new ways of doing things and new urban development models springing up all over the place. They all point towards a resolutely more "sustainable" city, where economic, social and ecological aspects combine seamlessly around key objectives: a sensible use of resources, putting citizen-users at the heart of planning, a systemic approach to the city.

The city of tomorrow is re-envisioned in terms of "function", and offers a cross-wise, decompartmentalised view of urbanism, rather than the top-down approach. This means it is better to talk of "urbanisms" in the plural. The new city, as a real "ecosystem", needs to adapt to where it develops on the globe, as necessitated by the varying climatic conditions. The architecture itself must also fit in with those constraints, just as it needs to respond to the requirements set by the new city's new key player: the citizen-user. The arrival of new generations - led by the "Millennium generation", the famous "Generation Y" - puts collective intelligence and cross-fertilisation in the spotlight.



The “co” age is upon us: collaboration, cooperation, cocreation, community, underpinned by innovative forms of joint venture and city design, with all stakeholders playing their part.

Against that backdrop, what architecture will tomorrow bring? Although it seems to be generally accepted that the architecture of the future will see a balance between man-made engineering and all of nature’s science and ingenuity, the issue has swept aside all the traditional approaches to design and planning. Building Information Modelling (BIM) has already started to revolutionise the way in which buildings, infrastructure and technical networks are planned, designed, created and managed. Other emerging trends will progressively have an influence, each providing new opportunities:

the circular economy, urban agriculture, bionics, biomimetics and biomorphism, smart grids etc.

When that happens, designing the buildings of tomorrow will prove to be both a real challenge and a fascinating endeavour.

**We are ready for that!**









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