

## The advantages of Drutex aluminum windows and doors:

### Modern design

Drutex aluminum windows and doors stand out for elegance and modern design. Their wide color range as well as a number of forms and shapes match any architectural style.

### Durability and stability

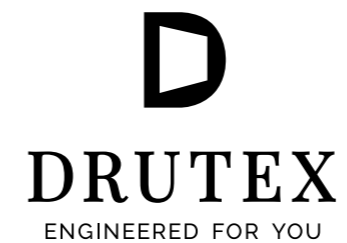
Profiles in aluminum windows and doors are characterized by great durability. They resist adverse effects of weather conditions, they do not deform and they maintain their properties during usage. It is possible to create large-size structures equipped with big glazings, which give the effect of modern and minimalist designs.

### Energy-efficiency

Perfect parameters of thermal transmittance reflect the energy efficiency qualities of Drutex aluminum windows and doors. Thanks to the high-quality aluminum profiles with specially designed thermal breaks aluminum products are great for energy efficient buildings.

### Functionality

Aluminum windows and doors are easy to maintain, they do not require time-consuming treatment, and the technologically advanced structures based on stable aluminum profiles guarantee usage comfort, as well as great parameters regarding water tightness and resistance to wind load.



Aluminum  
WINDOWS AND DOORS

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# Windows and doors

Drutex' modern aluminium products aim to respond to current architectural challenges thanks to the usage of innovative technologies, sophisticated forms and shapes. The wide range of aluminum systems allows to create advanced technical solutions and the possibility to construct functional and elegant structures, and to combine together windows with doors, winter gardens or slide systems.

**MB-45, MB-70, MB-70 HI, MB-SR50N, MB-SR50N HI, MB-78 EI, MB-77 HS, MB-77 HS HI, MB-86 SI and MB-WG60 systems** are top-class aluminum systems for executing elements of architectural external and internal structures e.g. for various types of windows, doors, vestibules, showcases, facades, winter gardens and spatial structures. The wide range of applications and rich variety of patterns and colors allow to match the aluminum products to any building style.



Aluminum windows comply with the highest requirements regarding quality and design, ensuring great parameters in energy efficiency, durability and structure stability.

Aluminum windows constitute a perfect solution for large-size glazing, which ensures more daylight and higher comfort.

## MB-45 (cold aluminum)



The modern aluminum system is used for executing elements of architectural external and internal structures that do not require thermal insulation. The stable aluminum profile of the system allows to obtain the effect of unique surface of the sash and the frame on the outside after closing the window, which improves the aesthetics of the product. A significant advantage of MB-45 system is the possibility to bend profiles, i.a. the frames and the casements, which facilitates the execution of various arched structures. The system is compatible with other aluminum structures in Drutex offer and the wide RAL color range allows to obtain any arrangement matching the Client's preferences.

### Product features

- high usage comfort
- minimum need for maintenance
- high resistance and durability of windows and doors
- long system lifetime

## MB-70 (warm aluminum)



The system is a perfect solution for executing elements of architectural external and internal structures that require thermal and acoustic insulation. It features low heat transmittance coefficient thanks to the application of special thermal breaks. Tightness is ensured by top-quality profiles and by the application of gaskets made of two-component EPDM synthetic rubber: solid and cellular that guarantees aging resistance during long-lasting exploitation, as well as great thermal insulation. The high energy efficiency of the system enables to obtain large glass surface for more daylight in the room.

### Product features

- wide selection of colors in the standard color range
- the possibility to obtain slender and resistant window and door structures
- very good thermal insulation

# Windows and doors



## MB-70 HI

The system is used both in individual construction, as well as aluminum facades. The window and door system structure with a thermal break is based on tried and tested, well-developed MB-70 systems. The system is characterized by significantly higher degree of thermal insulation that is the result of special insulation inserts inside the profiles and in the glazing space.

### Product features

- high level of energy efficiency
- modern design
- high functionality and usage comfort
- great variety of colors



## MB-78 EI

Drutex fireproof door is a technically advanced fireproof system that features tightness and fire insulation. The system has the class of fire resistance from EI 15 to EI 60. The durable and solid system structure is guaranteed thanks to the stable aluminum profile, and the low heat transmittance coefficient is obtained by the application of i.a. special profile thermal breaks 34 mm wide.

### Product features

- good parameters of thermal insulation
- high acoustic insulation
- durable and solid systems structure
- low heat transmittance coefficient



Timeless design, high functionality and structure durability guarantee hassle-free usage for years.

The woodwork equipped with technologically advanced solutions and high-quality components offers excellent comfort and safety.

## MB-86 SI

A system with very good parameters in energy efficiency and structure resistance. Thermal insulation has been enhanced thanks to the application of an extra chamber in the thermal break in the system. The profiles have a three-chamber structure. Their shape allows to obtain slender and durable window and door structures. One of the system advantages is also high profile durability that allows to execute large-size and heavy structures. The wide color range offers great arrangement possibilities.

### Product features

- enhanced thermal insulation of the system
- wide selection of colors in the standard color range
- modern design
- structure durability and resistance to weather conditions



Doors in MB-86 SI system with a double-faced panel are available only in this technology.



Roller hinge with faced panel.



# Safety and access control

Safe entrance doors are an investment in family peace and comfort. After all, the main and most important function of the door is to ensure safety. That is why Drutex doors can be optionally equipped with systems ensuring high level of security and an excellent protection against burglary. They also guarantee functionality and usage comfort thanks to the smart systems of access control. The company offers cutting-edge systems of door opening and closing.



## Fingerprint reader

- possibility to connect with the reader through a smartphone application
- modern, quick and easy home access for all the family
- modern reader design that corresponds to the door model



## Keypad

- reliable and comfortable house access control
- possibility to connect through a smartphone application



## Bluetooth & Code – unlocking the door with a code and a mobile phone

- possibility to connect with the reader with Bluetooth
- great solution for door remote control and access control
- possibility to connect with the reader through a smartphone application



## Cards and pendants

- easy and quick door control
- high safety level thanks to smart access control
- attractive design matching door models
- possibility to connect with the reader through a smartphone application



## Smart home

Drutex offers smart solutions for home management. Modern technologies allow to control the door with innovative systems, i.a. the mobile phone or the tablet, which improves safety level and it give us full control over the doors even when we are out.

# Types of panels and accessories

We offer various models of modern aluminum doors that are in line with current architectural trends and Clients requirements. A wide color range and selection of accessories allows to customize entrance door depending on tastes and preferences.

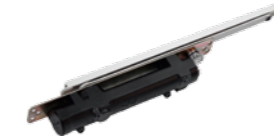


Drutex offers a wide range of door closers, handrails and handles that match Clients' individual needs and improve comfort usage.

## Door closers



DORMA TS93 BASIC - rail



DORMA ITS96 - hidden closers



GEZE TS2000 - link arms

## Handrails, handles



P45 handrail:  
 Ø 30 L=580mm  
 Ø 40 L=1200mm  
 Ø 40 L=1800mm



Pipe handrail M2



Stainless door handle



Door handle



Door handle for roller shutter



Door knob

## Hinges



Three-wing hinge



Door hinge



Roller hinge

\*Apart from the above mentioned offers, there is a possibility of equipping doors with other pull or lever handles according to individual orders.

# Terrace systems

The aluminum patio and terrace systems constitute a perfect solution for the trendy large-size glazing that gives the interior distinct character. The unique design ensures a lot of daylight in the room, maintaining the perfect parameters in energy efficiency.



MB-70 folding system

## MB-70/70 HI the folding systems

The folding door system allows to execute aesthetic, user-friendly structures that also enable to use the building space very efficiently. This solution is perfect for balconies, terraces or winter gardens, as well as public and commercial buildings. This great system connects home space with the terrace or the garden. Drutex aluminum folding doors are made of high-quality profiles with thermal insulation, which improves their exceptional parameters in energy efficiency. The phenomenal resistance and original design ensure long-lasting usage and optimum daylight in the rooms.

### Product features

- high comfort and easy usage
- trendy and modern structure in line with current architectural trends
- wide range of RAL masking paints
- resistant and durable structure

## Lift-and-slide systems

### MB-77 HS/77 HS HI

The system is a solution that offers a comfortable access to the balcony, terrace or the garden space, as well as a lot of daylight in the rooms. It works perfectly in single-family houses, as well as luxurious apartments and hotels. Usage comfort and high functionality are ensured by high-quality aluminum profiles, low threshold and the lift and slide fitting that facilitates sliding of heavy doors. The application of automatic drive controlled by a button or remote control determines the functionality and the technological advancement of the solution.

### Product features

- wide range of colors and decors
- high energy efficiency thanks to the application of a thermal break
- modern and minimal structure design

## PSK tilt and slide systems

### MB-70/70 HI

The aluminum tilt and slide doors ensure optimum daylight both in big and small rooms. The structures may be applied in individual building as well as in aluminium facades. The main advantage of such a solution is the ability to slide the sash on the inside of the room. Unlike the classic patio doors, the sash does not take up extra space when open. It is a great solution for creating modern interiors and large spaces. They allow to optically enlarge small rooms thanks to the high-quality structure.

### Product features

- high-quality aluminum profiles that determine great system resistance
- usage comfort and smooth operation
- great energy efficiency
- modern and minimalist design



MB-70/70 HI the folding systems



Lift-and-slide systems  
MB-77 HS/77 HS HI



PSK tilt and slide systems  
MB-70/70 HI



# Winter gardens

The modern Drutex aluminum system enables to create winter gardens, hothouses and verandas that stand out for maximum access to daylight and high energy efficiency. The system may come as model structures and individually designed architectural solutions.



## MB-WG 60 system

The main idea of the system is the possibility to build a warm roof based on modern aluminum profiles and full integration of the structure with the aluminum and PVC window and door systems.

High-quality structure profiles allow to shape even most sophisticated design geometry. The basic idea of winter gardens lies in their great parameters regarding safety, thermal insulation and ventilation, regardless of weather conditions.

The system stands out for freedom in choice of colors and glazing types, which enables to match the arrangement to Clients' expectations and architectural trends. The individually devised garden structure, made of aluminum resistant to adverse weather conditions, guarantees high stability and durability for years, and the modern and aesthetic structure with an integrated system for draining rain water determines the project functionality.

The system advantage is also the possibility to equip windows and doors in the winter garden with a smart control system with a remote control, a tablet or a smartphone, which improves the usage comfort in the room.

Technical parameters	Features
Profile	aluminum profile with a thermal break
Glass	the possibility to apply glass with increased sound insulation, hardened, safe, anti-burglary, ornament, anti-sun glass
Frame	as a standard steel galvanized frame
Seal	EPDM seal
Color range	RAL color range and wood-grain coating from Aluprof ColorCollection



# Façade systems

**MB-SR 50N** and **MB-SR 50N HI** aluminum facades are great solutions for glass facades in office buildings, public, commercial and service buildings, in showrooms, hotels, residential buildings, sports and recreational facilities, banks, offices, production plants etc. They are also used for a number of spatial structures and roof glazing that are intended to allow optimum daylight inside buildings and to create the proper climate and comfort for users. In line with current architectural trends, it enables to select mullion and transom profiles which flush with each other on the inside surface of the façade and to obtain various options of external appearance.

Drutex facades stand out for perfect parameters in tightness, acoustic and thermal insulation. The system advantages lie in its great resistance and durability, which improves safety and the structure stability. The possibility to execute various shapes of façade structures due to high static parameters of the profiles, with a number of glazing options, including a so-called safe, anti-reflective glass, offers arrangement freedom that comply with European norms.

# The advantages of facade systems

We offer the possibility to execute curtain walls in various shapes thanks to the high static parameters of the profiles.

Technical parameters	Features
Profile	the width of the mullions and transoms up to z 50 mm, installation depth adjusted to the building construction load
Glass	the possibility to apply glass with increased sound insulation, hardened, safe, anti-burglary, ornament, anti-sun glass
Frame	as a standard steel galvanized glass
Color range	RAL color range and wood-grain coating from Aluprof ColorCollection

