

# The advantages of Drutex aluminum woodwork:

## Modern design

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

## Durability and stability

Aluminum window profiles are characterized by great durability. They can be used to create constructions of considerable sizes, equipped with large glazing, which gives the effect of modern and minimalist projects.

## 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 a great solution also for energy efficient building.

## 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.



Drutex S.A.

Lęborska 31 · 77-100 Bytów · Poland  
+48 59 822 91 01 · WWW.DRUTEX.EU · DRUTEX@DRUTEX.EU  
+48 59 822 91 04

Information presented in the advertising material is provided solely for information and illustration. The product specification should be verified for the technical properties specified by the manufacturer.

D  
**DRUTEX**  
ENGINEERED FOR YOU

A large-scale photograph of a modern building featuring extensive glass walls and a prominent glass-enclosed winter garden or conservatory. The interior of the conservatory is visible, showing a large potted palm tree and other greenery. The building is set against a backdrop of a city skyline with various skyscrapers. The overall aesthetic is clean, modern, and minimalist.

Aluminium

WINDOWS, DOORS, PATIO SYSTEMS,  
FACADES, WINTER GARDENS

WWW.DRUTEX.EU

# Windows and doors

The modern Drutex aluminum windows and doors aim to respond to current architectural challenges thanks to the use of innovative technologies, various forms and shapes. The wide range of aluminum systems allows to configure functional and elegant structures, and to combine freely 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 and doors comply with top quality requirements, ensuring great parameters in energy efficiency, durability and structure stability. They 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 its aesthetics. A significant advantage of MB-45 system is the possibility to bend profiles, i.a. frames and 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 the woodwork
- long system lifetime

# Windows and doors



## MB-70 (hot 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 also ensured by high-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

- large selection of colors from the RAL palette
- the possibility to obtain slender and resistant window and door structures
- very good thermal insulation



## 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

# Windows and doors



## 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



## 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
- modern design
- structure durability and resistance to weather conditions
- the possibility to implement two-side aligned door panel

# Safety and access control

Safe entrance doors is an investment in family peace and comfort. After all, the main and most important function of the door is to ensure safety. Therefore, Drutex doors as a standard are equipped with systems that ensure high safety level and constitute great burglary protection. 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.



## 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 through a smartphone application



## 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



### Did you know that...

In the system of aluminum doors, among numerous types of aluminum panels, we offer the option to apply a panel with a glass application, which gives the door exceptional elegance and allows to achieve very high parameters in safety, energy efficiency and resistance to damage.



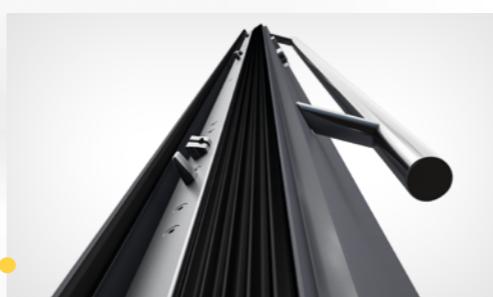
## Code keypad

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



## Automatic espagnolette

- allows to lock the door automatically in three points
- prevents the door from deforming
- guarantees constant contact pressure over the entire door height
- improves tightness and acoustic insulation
- the light and quiet locking thanks to the cranked latch fitted as a standard



## Smart home

Drutex offers smart solutions for home management. Modern technologies allow to control the door with innovative systems, i.a. the phone or the tablet, which improves safety level and it gives us full control over the woodwork 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.

## Panel patterns



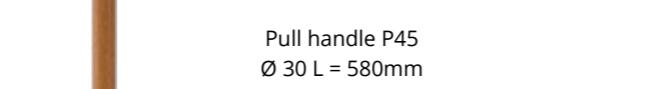
## Pull handles



## Pull handles

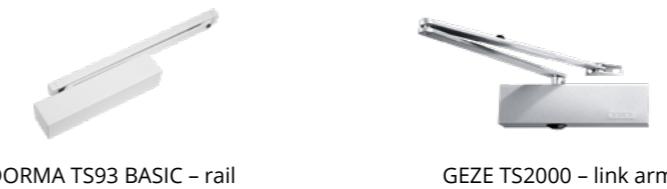


## Pull handles

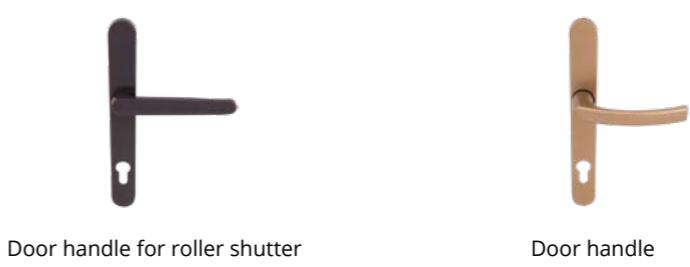


Drutex offers a wide range of door closers, handrails and handles that match Clients' individual needs and improve comfort and the door quality of operation.

## Door closers



## Door handles and door knobs



## Hinges



# 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-86 Fold Line folding system

The aluminum system constitutes a perfect solution for building up balconies, terraces and winter gardens. It is made of resistant and rigid aluminum profiles. It enables to open the door outwards.

It allows to execute aesthetic and modern big glazing which also help to use the building space efficiently in various types of structures, also in facades. The MB-86 Fold Line folding system also ensures enhanced thermal insulation thanks to the application of an extra chamber in the thermal break.

### Product features

- enhanced energy efficiency thanks to the application of an extra chamber in the thermal break
- very efficient use of the house or flat space
- innovative structure in line with current trends in architecture



Handles mounted to the sash.



Standard threshold



Low threshold with brushes



Flat threshold with brushes

# Terrace systems



## Tilt and slide MB-70/70 HI systems

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 aluminum 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



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

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 minimalist structure design

# 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, i.e. 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 thermal or sound insulation, hardened, safe, anti-burglary, ornament, anti-sun glass |
| frame spacer         | 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** 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

| Technical parameters | Features  |
|----------------------|---|
| profile              | the width of the mullions and transoms up to z 50 mm, installation depth adjusted to the building construction load; thanks to the high static parameters of the profile there is a possibility to execute curtain walls in various shapes. |
| glass                | the possibility to apply glass with increased thermal or sound insulation, hardened, safe, anti-burglary, ornament, anti-sun glass  |
| frame spacer         | as a standard steel galvanized frame  |
| color range          | RAL color range and wood-grain coating from Aluprof ColorCollection   |

