

CHARACTERISTICS

Frame glazing system of aluminium sections. The pane is inserted in an aluminium frame that rides on the bottom (supporting) rail and top (guiding) rail. The opening system is sliding – individual panels slide one into another. Fixed or sliding rendering in versions composed of 2–4 parts. The fixed and sliding attachment can be combined in any manner. As panes various types of insulation double glazing 16 mm thick can be used. The structural solution is based on the frame system AluPlus®. The system differs in vertical sections that are more robust and stiffer, which provides the system with higher stability and enables it to be used for higher structural openings. The special shape of the vertical section functions as the grab handle along its entire length. Moreover, the aluminium sections are equipped with plastic elements to improve insulation properties of the system. The system is suitable for aluminium structures such as summer houses and porches. The system secures the reduction of heat losses, protection against bad weather, dust and emissions. Locking and use of safety panes makes it an effective obstacle against burglary.

Certification

- EC Certificate Nr. 1017 – CPD – 06.069.419

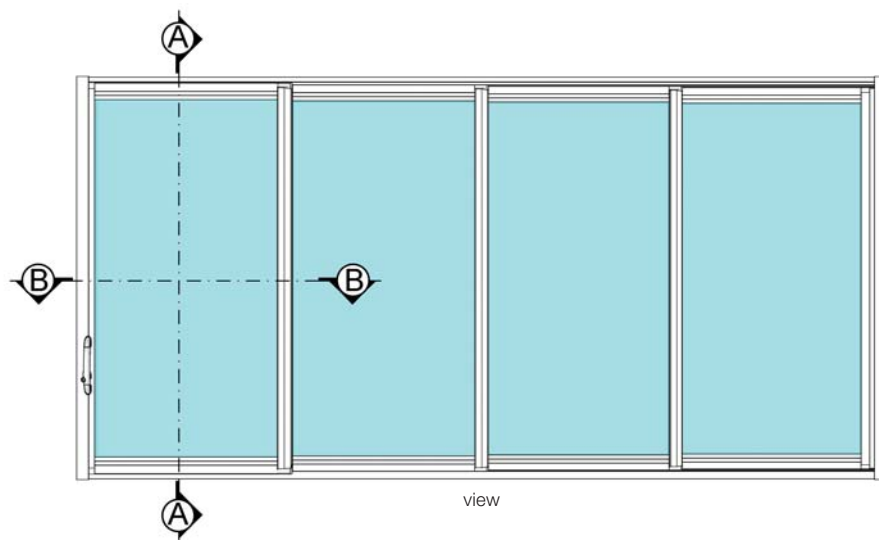
TECHNICAL DESCRIPTION

Materials

- frames of sliding windows, guiding rails and closing sections of sections of aluminium alloys: standard colour white powder coat (other colours according to RAL range) or natural anodizing
- other parts made of materials resistant to weathering and UV radiation (stainless steel, plastic)
- panes of insulating double glazing 16 mm thick

Composition, construction and function of the product

- panes are fitted and glued with silicone in sections equipped with brush gasket, joined by plastic corners, which are fitted with stainless self-lubricating bearings with plastic wrap and safety catching against unhinging



- 1–8 sliding panels ride on the bottom rail and are guided by the top rail of the same shape (no interference with the inside space)
- the bottom rail is equipped with drainage holes that secure that rainwater and melting snow are conducted away
- the side closing sections and the structure of vertical sections provide almost perfect tightness of the entire structure
- the aluminium sections are equipped with plastic elements to improve insulation properties of the system

Heat penetration coefficient:

$$U = 2,1 \text{ W} / (\text{m}^2 \cdot \text{K})$$

The assembly method of the product

- the system is put together before the assembly itself, the assembly is performed from the inner side of the structural opening
- guiding rails are attached by nylon anchors into concrete and bricks, stainless screws are used for assembly into all sections
- gaps between the sections and the structural opening after assembly are covered with putty or possibly by laths made of aluminium or galvanized sheet metal

Assembly

assembly time about 4–8 hours

Dimensions

- max. recommended panel dimensions:
 - 1 × 2.5 m when using vertical section without “the bubble”
 - 1 × 2.7 m when using vertical section with “the bubble”
- max. width of the glazed space is not limited (in combination with fixed version)

Operation and maintenance

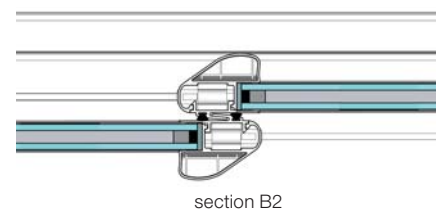
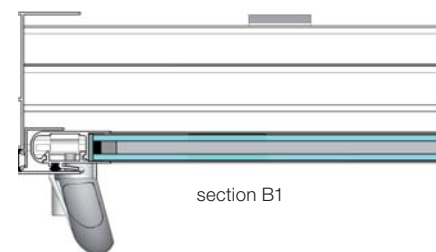
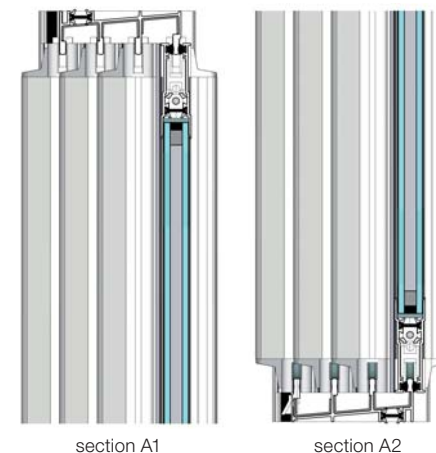
- easy and fast control and operation
- the bottom rail must be kept clean to secure easy and silent movement of panels
- washing of windows is made easy by the option to unhinge the panels

Warranty period

24 months

Life expectancy

min. 20 years, predicted life: about 50 years



ALUMINIUM SYSTEMS FOR BUILDING INDUSTRY

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CHARACTERISTICS

Frame glazing system of aluminium sections with a groove 9 mm thick to insert panes. The pane is inserted in an aluminium frame that rides on the bottom (supporting) rail and top (guiding) rail. The opening system is sliding – individual panels slide one into another. Fixed or sliding rendering in versions composed of 2–5 parts. The fixed and sliding attachment can be combined in any manner. The options for the panes are very varied. The structural solution is based on the frame system AluPlus®. The system differs in vertical sections that are more robust and stiffer, which provides the system with higher stability and enables it to be used for higher structural openings. The special shape of the vertical section functions as the grab handle along its entire length. The system is mainly suitable for indoor dividing partitions inserted into high structural openings and for sliding or fixed walls in alcoves and porches of houses. The system secures the reduction of heat losses, protection against bad weather, dust and emissions. Locking and use of safety panes makes it an effective obstacle against burglary.

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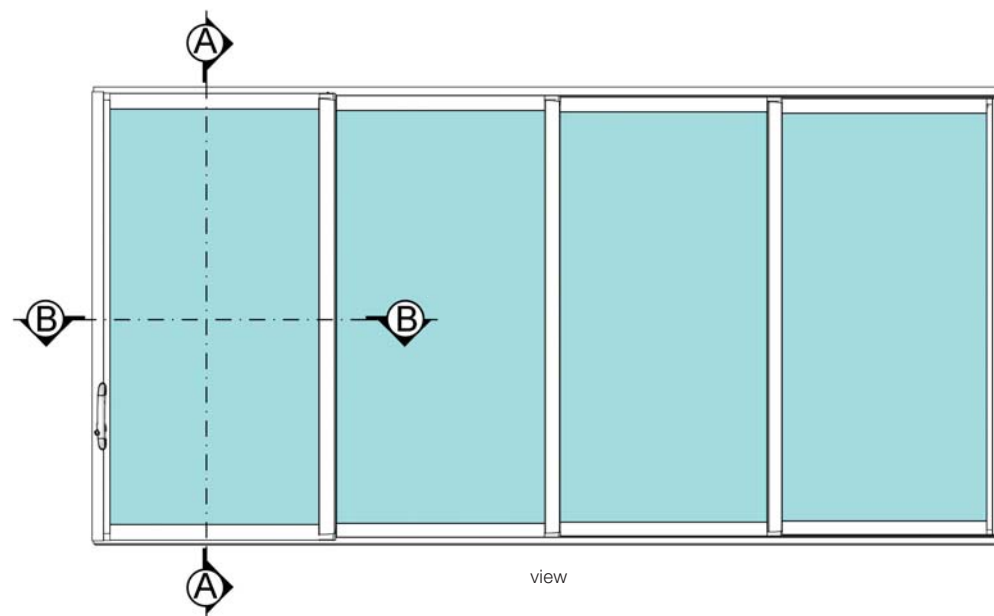
TECHNICAL DESCRIPTION

Materials

- frames of sliding windows, guiding rails and closing strips of sections of aluminium alloys: standard colour white powder coat (other colours according to RAL range) or natural anodizing
- other parts made of materials resistant to weathering and UV radiation (stainless steel, plastic)
- panes are most often made of glass 4–6 mm thick, safety glued glass up to 9 mm, hardened glass 4–6 mm thick and other materials (polycarbonates, Plexiglass, Novodur, PVC etc.)

Composition, construction and function of the product

- panes are fitted and glued with silicone in sections equipped with brush gasket, joined by plas-



tic corners, which are fitted with stainless self-lubricating bearings with plastic wrap and safety catches against unhinging

- 1–10 sliding panels ride on the bottom rail and are guided by the top rail of the same shape (no interference with the inside space)
- the bottom rail is equipped with drainage holes that secure that rainwater and melting snow are conducted away
- the side closing sections and the structure of vertical sections provide almost perfect tightness of the entire structure

The assembly method of the product

- the system is put together before the assembly itself, the assembly is performed from the inner side of the structural opening
- guiding rails are attached by nylon anchors into concrete and bricks, stainless screws are used for assembly into aluminium profiles
- gaps between the sections and the structural opening after assembly are covered with putty or possibly by laths made of aluminium or galvanized sheet metal

Dimensions

- max. recommended panel dimensions:
 - 1 × 2.5 m when using vertical section without “the bubble”
 - 1 × 2.7 m when using vertical section with “the bubble”
- max. width of the glazed space is not limited

Operation and maintenance

- easy and fast control and operation
- the bottom rail must be kept clean to secure easy and silent movement of panels
- washing of windows is made easy by the option to unhinge the panels

Life expectancy

min. 20 years, predicted life: 50 years

