

ALU



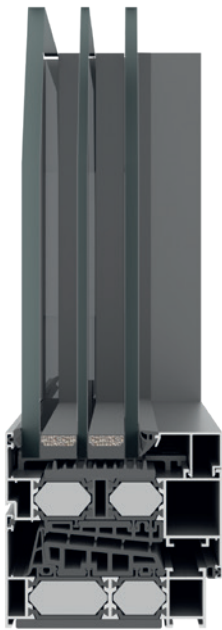
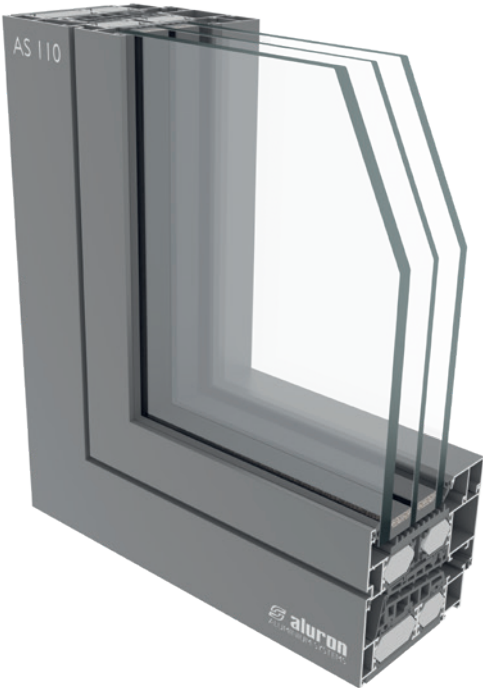
Aluminum **WINDOW** systems

 **aluron**
ALUMINIUM SYSTEMS

Five-chamber system for passive windows AS 110 PASSIV

The AS 110 PASSIV system is designed for the manufacture of windows, patio doors and display windows with the highest level of thermal insulation on the market.

There are up to five thermal variants on offer, including a passive variant certified at Passive House in Darmstadt. This is a state-of-the-art design for glazing with heavy 3-chamber packages. It allows the excellent static parameters of the sash to be maintained. The system has very high acoustic insulation.



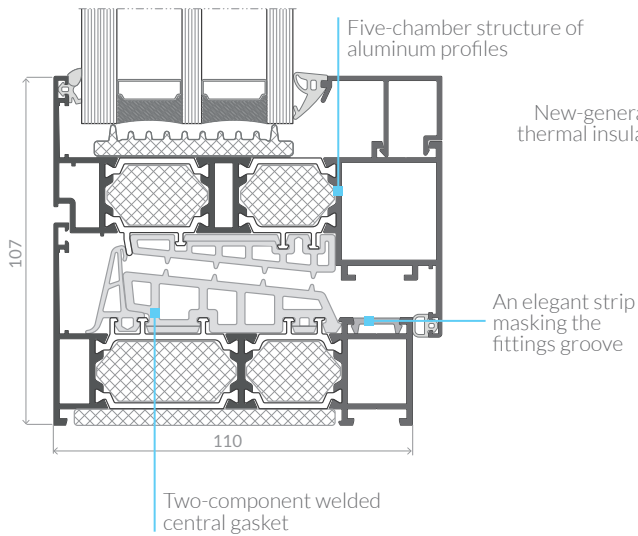
from 0,51 W/m²K	E1950 (1950 Pa)	class 4	class C5/B5	class 4	3500 mm	1700 mm
Thermal insulation Uw	Water tightness	Air permeability	Wind load resistance	Mechanical strength	Max. sash height	Max. sash width

300 kg	110 mm	47-74,5 mm	119 mm	54 mm	32 mm
Max. sash weight	Frame depth	Glazing range	Depth of window sashes	Min. visible frame width	Min. visible sash width

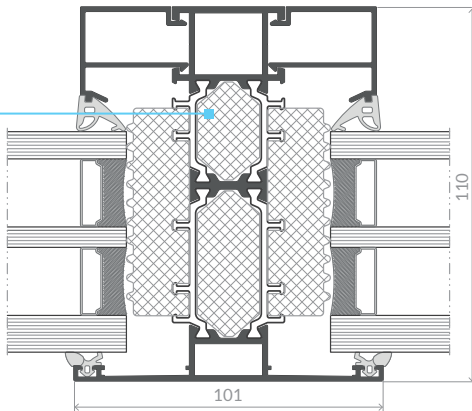
- 5** Innovative 5-chamber technology to improve structural rigidity.
- OUTSIDE** The window sash flushed with the frame from the outside.
- 5** Five thermal options available.
- 2** Two variants of hardware pusher: aluminum and PVC.
- Option of designing large glazing adapted to modern architectural trends.**
- Cover for the fitting groove.**

- Option to design turn windows, turn-and-tilt windows, turn-and-tilt windows with movable mullion and tilt windows.**
- Lower profiles of leaves and low assemblies - more light.**
- ASM** A solution compatible with mosquito nets system from Aluron.
- Elegant aluminium drain plugs in the color of the joinery.**
- 2** Sash available in two hardware groove versions: ALU and PVC.
- Possibility of crimping and doweling.**

Section through opening window



Section through a fixed window mullion



Hidden sash window system AS 80US

An aesthetically pleasing solution for the construction of single and multi-paned windows.

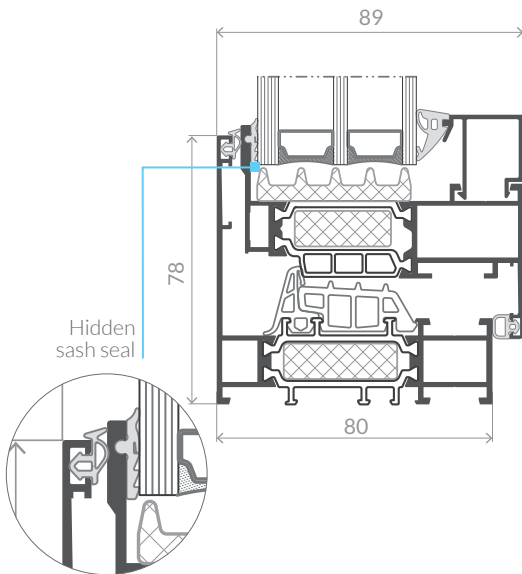
It is dedicated to designs where the window sash is to be invisible from the outside of the building. Regardless of whether we are dealing with fixed or opening panels, all neighbouring windows look identical from the outside. The AS 80 US system is compatible with other Aluron aluminium systems.



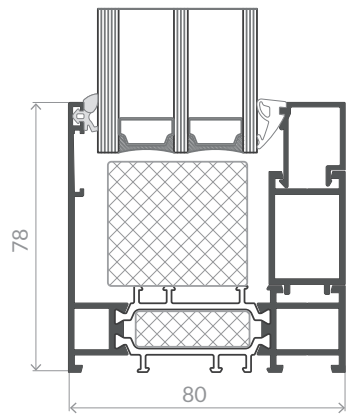
from 0,71 W/m²K	E2400 (E2400 Pa)	class 4	class C3	4	2700 mm	1400 mm
Thermal insulation Uw	Water tightness	Air permeability	Wind load resistance	Thermal variants	Max. sash height	Max. sash width

200 kg	80 mm	21-68 mm	84 mm	78 mm
Max. sash weight	Frame depth	Glazing range	Window sash depth	Min. visible frame width

Section through an opening window with hidden sash



Section through the fixed panel of a window with hidden sash



- 3** Three-chamber structure of aluminum profiles
- Invisible window sash - from the outside of the building.
- 4** Four thermal options available.
- Option to design all-glass corners at any angle with adjustable connectors.
- Option to design arched structures, including welded ones.
- 2** Two variants of hardware pusher: aluminum and PVC.

- ASM** Solution compatible with system-designed mosquito net.
- Option to design turn windows, turn-and-tilt windows, turn-and-tilt windows with movable mullion and tilt windows.
- Elegant aluminium drain plugs.
- Option to integrate the system into modern smart home solutions.
- A solution compatible with all Aluron systems.

Window and door system

AS 75 WINDOW

The AS 75 three-chamber system is designed for the manufacture of thermally insulated window and balcony door structures.

The robust construction, durability of the aluminium and rich design guarantee many years of durability and aesthetics. The system meets the requirements of all current and future thermal and acoustic insulation standards, as confirmed by certificates from renowned research institutes. The system is available in a triple-seal version thanks to the use of an additional gasket between the frame and the sash. The additional gasket increases protection against wind, rain, and noise.

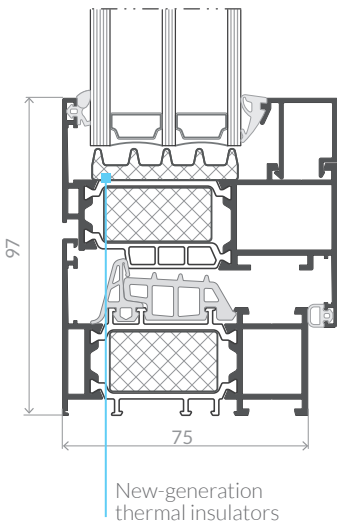


from 0.67 W/m²K	RC2, RC3, RC4	class 4	E1950 (1950 Pa)	class C5	47(-2;-6) dB	3000 mm
Thermal insulation Uw	Burglar resistance	Air permeability	Watertightness	Resistance to wind load	Sound insulation	Max. sash height

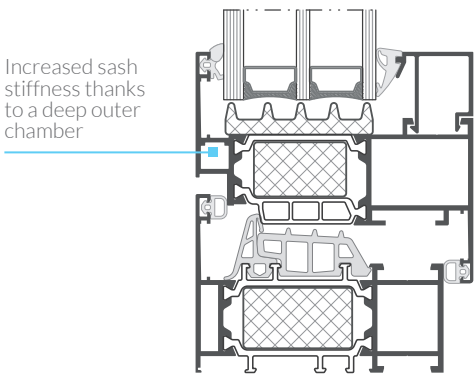
1600 mm	200 kg	75 mm	16-66 mm	46 mm	33 mm
Max. sash width	Max. sash weight	Installation depth	Glazing range	Min. visible frame width	Min. visible sash width

- Low balcony threshold in turn-and-tilt windows, turn-and-tilt windows versions with continuous perimeter sealing.
- Option of designing arched constructions, including welded ones.
- All-glass corner.
- Available solutions: all-glass corner and stepped glass window.
- Four thermal options available.
- Possibility of using anthracite seals.
- Production optimisation through use of the same fasteners and seals.
- System compatible with intelligent house solutions.
- Option to design turn windows, turn-and-tilt windows, turn-and-tilt windows with movable mullion and tilt windows.
- Two variants of hardware pusher: aluminum and PVC.
- Cover for the fitting groove.
- Elegant aluminium drain plugs.

Section through opening window



Triple-sealed sash

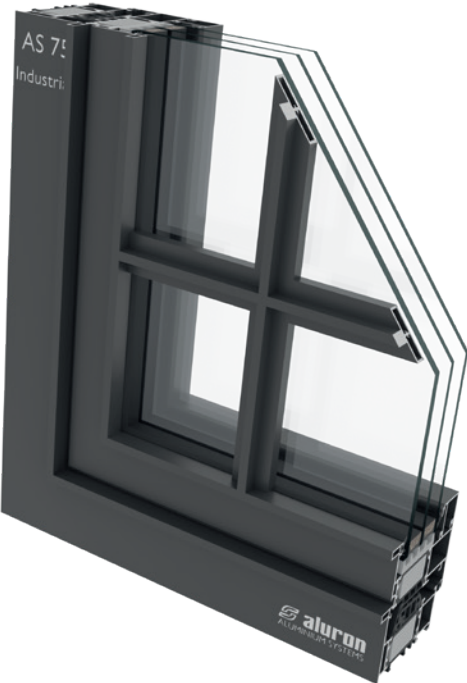


Window and door system

AS 75 INDUSTRIAL

The AS 75 Industrial system was designed for architects and investors seeking solutions that combine contemporary technical standards with the aesthetics of classic steel windows. It is the ideal solution for revitalized post-industrial buildings, lofts, modern residential and commercial buildings where a distinctive, raw character is essential.

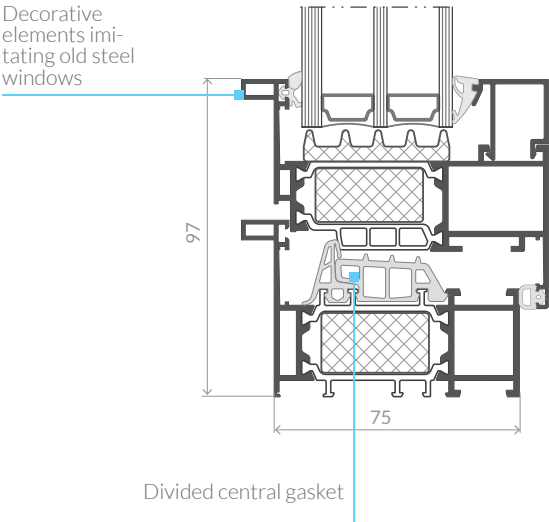
The three-chamber AS 75 Industrial system is designed for the production of thermally insulated windows and balcony doors. A characteristic feature of the system is its flat or spatial bars. Its minimalist design reflects the latest architectural trends. The AS 75 Industrial system meets all current thermal insulation standards, as confirmed by certificates from renowned research institutes. The system can be combined with other Aluron aluminum solutions, allowing for a cohesive design across the entire building.



from 0.67 W/m²K	class 4	class E1950	class C5	47(-2;-6) dB	3000 mm
Thermal insulation Uw	Air permeability	Watertightness	Resistance to wind load	Sound insulation	Max. sash height

1600 mm	200 kg	75 mm	16-66 mm	46 mm	33 mm
Max. sash width	Max. sash weight	Installation depth	Glazing range	Min. visible frame width	Min. visible sash width

Section through an INDUSTRIAL window



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Low balcony threshold in turn-and-tilt windows, turn-and-tilt windows versions with continuous perimeter sealing.
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Option of designing arched constructions, including welded ones.
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Four thermal options available.
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Production optimisation through use of the same fasteners and seals.
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System compatible with intelligent house solutions.
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Option to design turn windows, turn-and-tilt windows, turn-and-tilt windows with movable mullion and tilt windows.
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Two variants of hardware pusher: aluminum and PVC.
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Cover for the fitting groove.
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Elegant aluminium drain plugs.
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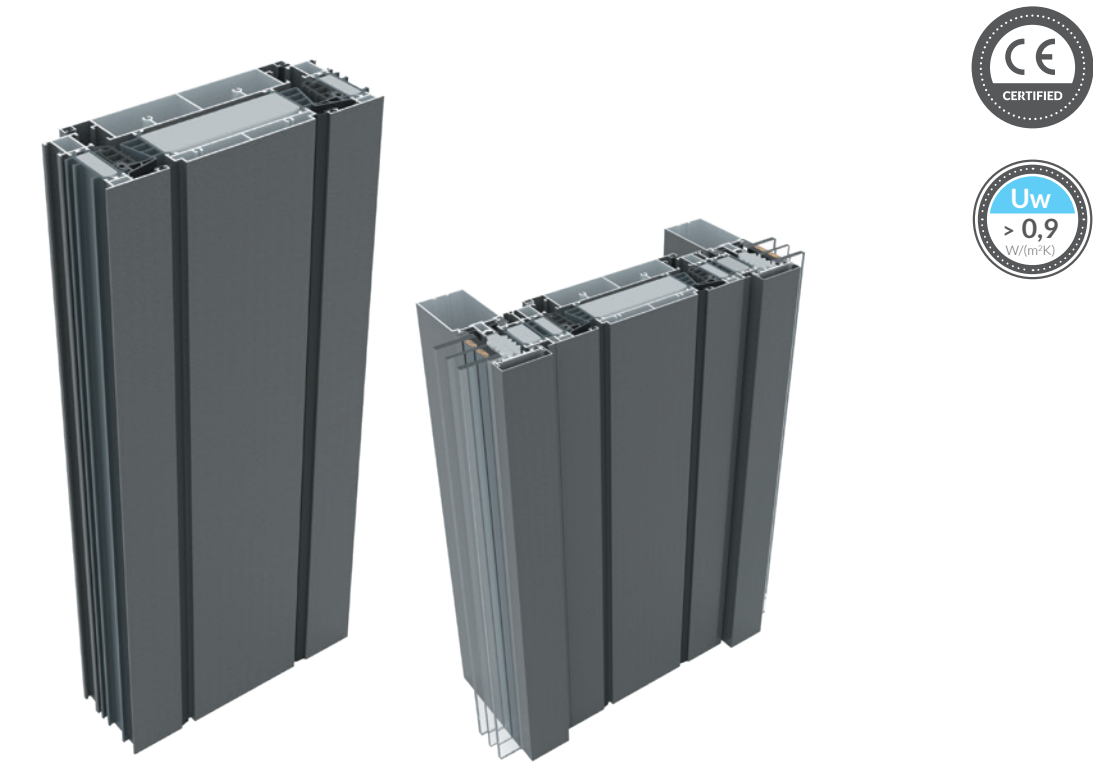
Possibility of using anthracite seals.

Ventilation window sash

AS 75V

The AS 75V system is intended for the construction of ventilation sashes used in connection with a facade or showcases.

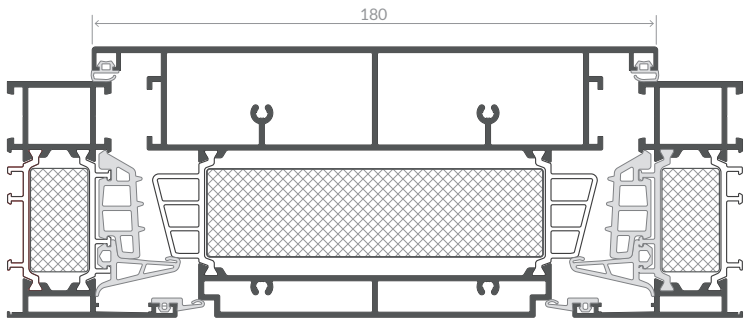
These types of structures are used instead of standard windows. They ensure free air circulation and constitute an attractive architectural element. The solution is structurally based on the popular Aluron AS 75 window system, which guarantees optimization of the materials used (e.g. common frame). AS 75V allows the creation of tall structures equipped with a ventilation sash opening inwards.



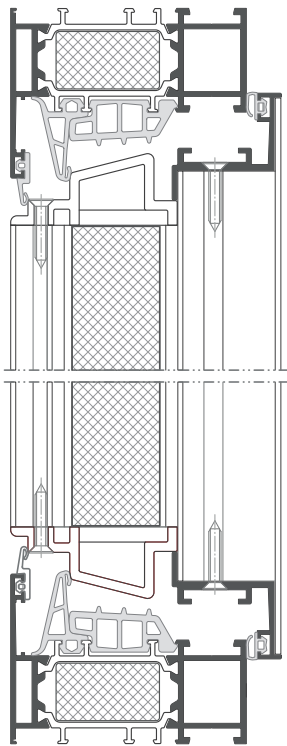
from 0.9 W/m²K	class C5/B5	class 4	E1500 (1500 Pa)	3000 mm	180 mm, 220 mm	75 mm
Thermal insulation Uw	Resistance to wind load	Air permeability	Watertightness	Max. sash height	Available sash widths	Frame depth

- Compatible with facade systems: AF 50, AF 50S, AF 50KW Quantum and ATF 50.
- Two leaf widths to choose from: 180 and 220 mm.
- Designed for structures up to 3000 mm high.
- Drainage is carried out in the lower part of the profile using a system aluminum end plug.
- Two variants of hardware pusher: aluminum and PVC.
- Possibility of using hidden fittings from Sobinco and Roto brands.
- Dedicated, original sash plugs.
- Effective ventilation of rooms.
- Production optimization – using the same gaskets and fasteners.

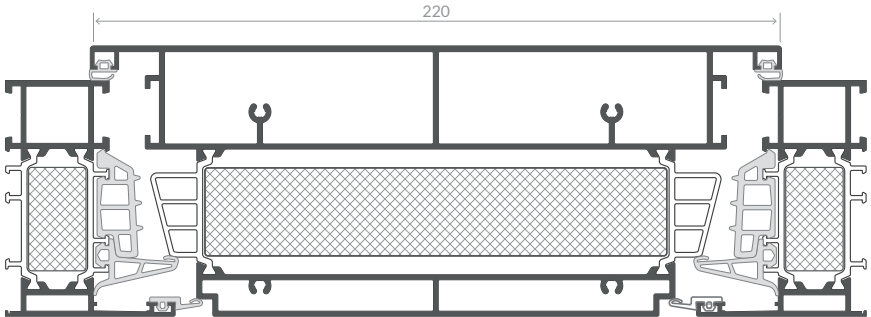
Horizontal cross-section through the ventilation sash 180



Vertical cross-section through the ventilation sash



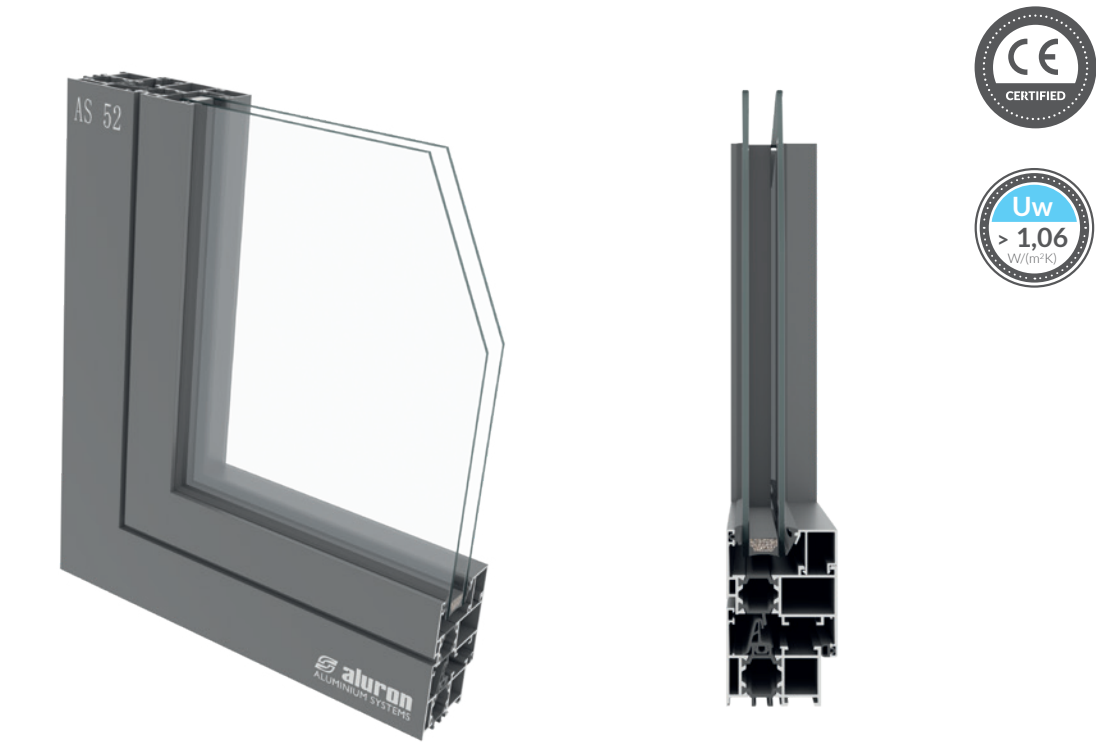
Horizontal cross-section through the ventilation sash 220



Window and door system for external installation **AS 52**

Thermally insulated AS 52 system is designed for lightweight, aluminium structures with high performance properties for exterior installation.

Designed with the concept of downsizing, the AS 52 system provides excellent optimisation of the profiles used.



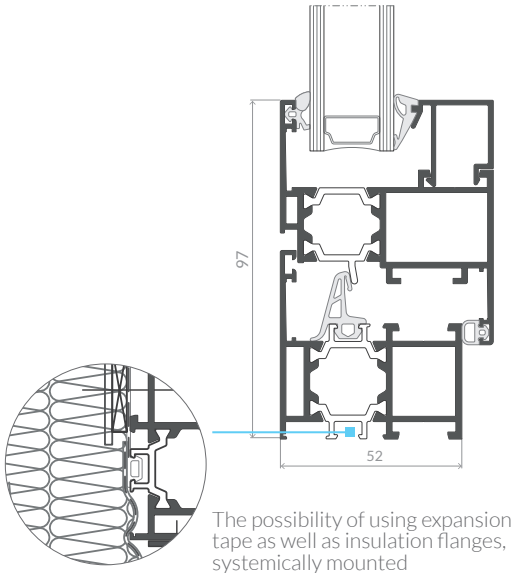
from 1,06 W/m²K	class 4	E1950 (1950 Pa)	class C3	52 mm	61mm	2-42,5 mm
Thermal insulation of window Uw	Air permeability	Watertightness of window constructions	Wind load resistance of window constructions	Depth of window frame	Depth of window sash	Glazing range of window construction

- INSIDE

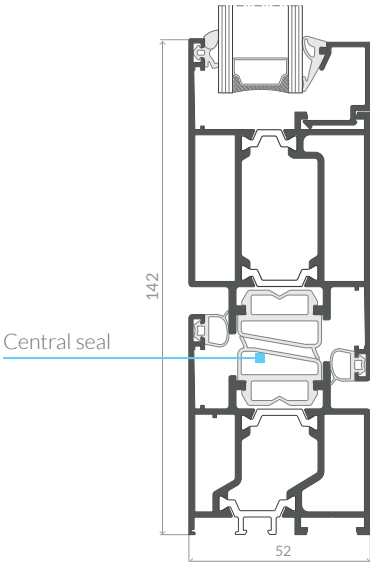
Option of using as an internal structure in two colours.
- Option of constructing a feed window in the door.
- Can be used as a partition in winter gardens.
- Narrower frame at the notch hinge to increase the passage light.
- 2

Two variants of hardware pusher: aluminum and PVC.
- Self-cleaning glazing area.
- Possibility to use notch and surface hinges in doors.
- Option of designing curved constructions, including welded constructions
- Elegant aluminium drain plugs.

Opening window section



Section of door opening inward



COMPLEMENTARY SOLUTIONS

ALL-GLASS BALUSTRADE AS VGB

This solution is an extremely interesting architectural detail. AS VGB is a modern system of glass balustrades securing high opening windows, installed on floors, known as French balconies. AS VGB balustrades guarantee full access of light to rooms thanks to the use of transparent fillings made of ESG laminated tempered glass (in thicknesses from 10.8 mm to 20.8 mm). The structure can be complemented with an elegant handrail placed on the upper edge of the glass. It is available in powder-coated aluminum or stainless steel variants.



WINDOW SILLS CLASSIC

Aluron window sills are distinguished by their high rigidity, excellent durability, tightness, and solid workmanship. They are characterized by the angular shape of their aluminum profiles. They are available in various widths from 50 to 380 mm. Extruded aluminum ensures acoustic comfort inside the room. It is possible to weld window sills at different angles.



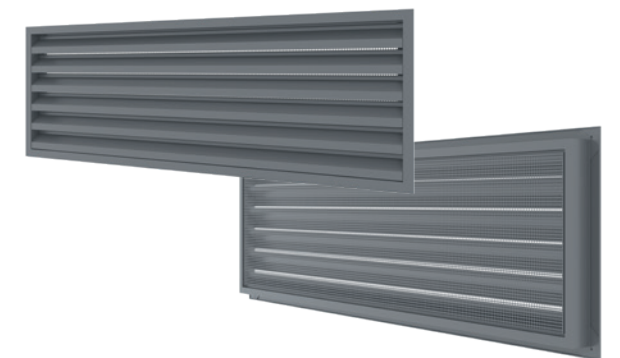
WINDOW SILLS SOFT LINE

This solution is also made of extruded aluminum. It differs from Classic window sills in the rounded shape of the aluminum profiles and availability in widths from 150 to 300 mm. Both types of window sills are complemented by a wide range of accessories, including end caps, gaskets, stainless steel screws, and screw cover clips.



Z-TYPE FACADE SLATS ACS SUN PRO

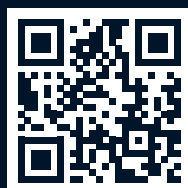
The product is mainly intended for commercial projects as a finishing element for building facades and elevations. It can be used as a filling in windows, AS 75V ventilation sashes, and ventilation louver structures. The main purpose of the ACS SUN PRO system is to protect the building from excessive sunlight. The degree of shading depends on the size of the Z slats (29 or 39 mm).



MOSQUITO NET SYSTEM AS M

The AS M system allows for the production of most mosquito net designs available on the market, while maintaining the required structural rigidity and large dimensions without the need for crossbars. Available in 3 variants: fixed, hinged, or sliding.





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