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aluminium systems

Window and door systems

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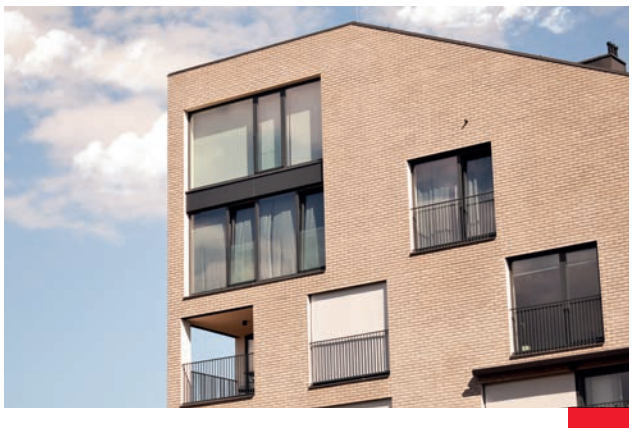


Pana a Baba
Prague, Czech Republic
Architect: m4architekti
Manufacturer: AYOR development a.s.

Contents:

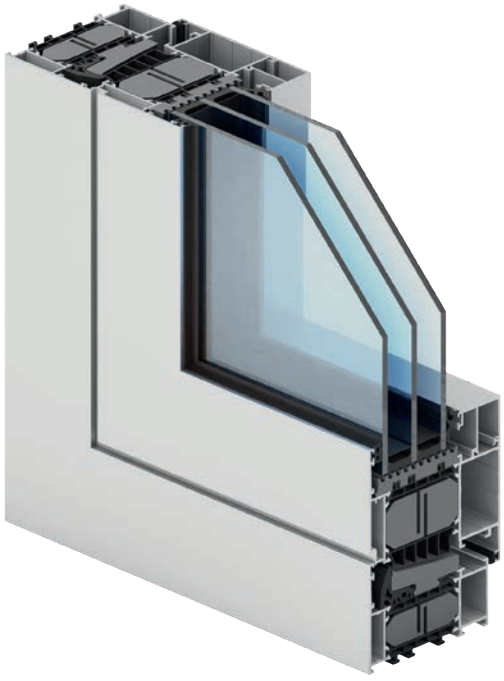
Window and door systems

Panel doors

Window and door systems without thermal insulation

window system

Genesis **90**



cool, temperate climate
phB
CERTIFIED COMPONENT
Passive House Institute

system characteristic

_ three-chamber aluminium system used to construct windows with increased thermal insulation performance, meeting the requirements of the Passive House Certificate for structures with the thermal insulation performance of Uw < 0.8 W/m²K
_ the system is designed to meet the highest thermal requirements for display windows and windows in Poland, Europe and worldwide; it meets all requirements for components used in passive construction; the Genesis 90 system is certified by the Passive House Institute in Darmstadt (PHI)
_ available 3 thermal options:
– standard (no insulation) – "i" option for insulation around the glass pane – "i+" option for insulation inside the profiles and around the glass pane
_ the solution uses a 55 mm high chamber thermal break made of a material with increased thermal insulation performance
_ the central gasket is available in 2 options: standard and equipped with a thermal insert (made of heat-resistant XPET material)
_ available narrow profiles with 15 mm high glazing beads
_ maximum height of window sashes is 3 m, with the maximum mass of the sashes of 180 kg
_ available different types of window profiles integrated with window sills
_ possible to use concealed drainage for frames, sashes and batten plates
_ wide range of different types of extensions; available reinforcements that are bolted to or integrated with profiles, expansion joint profiles
_ possible to use "Euro-groove" hardware, with a hinged part visible or concealed, compatible with hardware available in stock and from other manufacutrers
_ available profiles with a PVC hardware groove (9 mm axis and 10 mm axis, for hardware available on the market)
_ minimised number of accessories during prefabrication; possibility of cramping or screwing corner pieces; available presses to facilitate /accelerate production
_ possible to use all angular solutions: available variable-angle, diagonal profiles, all-glass corner pieces, etc.
_ compatible with sun protection systems from the Aliplast offer: roller shutters, blinds (SunFas), zip screen
_ the system offers solutions dedicated to the specific needs of European markets (e.g. Dutch-type frames, frames with concealed drainage, renovation French-type solutions, narrow movable post)
_ possible to install the Flyscreen and Insect System (mosquito net systems)
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

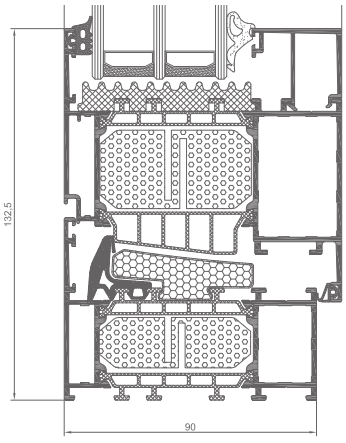
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows
GP 90	aluminium / polyamide	90 mm	99 mm	fix 16 mm to 74 mm, window 20 mm to 83 mm	FIX, R, U, RU

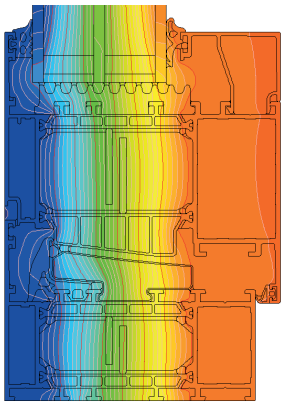
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
GP 90	Uf from 0.57 W/m²K	Class 4; PN-EN 12207	Class C3/B3 (1200 Pa); EN 12210	Class E1200 (1200Pa); EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



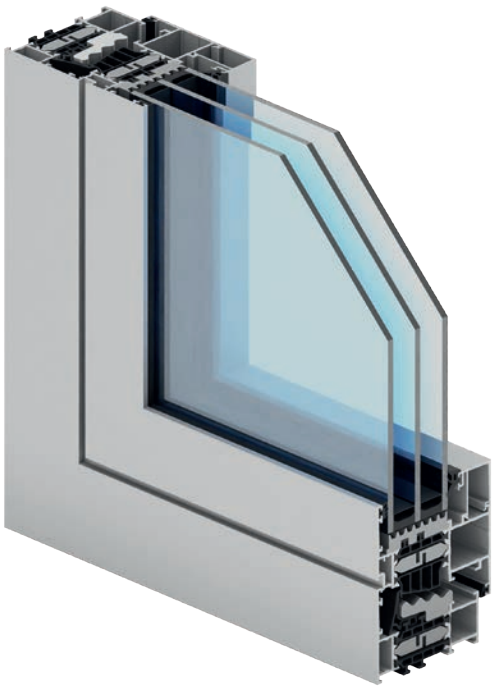
cross-section of the Genesis 90 window (GP011 + GP022)



example isotherm arrangement for the GP90 frame and sash connection (GP011 + GP022)

window system

Genesis **75**



full scope CERTIFIED cradle to cradle silver version 3.1 C2CCERTIFIED.ORG

material health CERTIFIED cradle to cradle silver version 3.1 C2CCERTIFIED.ORG

system characteristic

_ three-chamber window system used to construct windows with increased thermal insulation performance
_ thermal parameters of the Genesis 75 window meet the requirements applicable as of 2021 (Uw starting from 0.90)
_ the Genesis 75 window system is based on frame sections with a depth of 75 mm
_ wide range of sections/profiles offered as part of the Genesis 75 system, enabling the design of modern windows that feature high functionality
_ the Genesis 75 system uses modern insulating materials that are a market novelty; in addition to the classic window central gasket, an additional thermal gasket has been designed to achieve very high window tightness (air infiltration, watertightness)
_ possible selection of different profile finishes (also renovation profiles)
_ the system makes it possible to construct all-glass 90° corner connection
_ the Genesis 75 window system sets a new standard for window insulation, while maintaining the highest ergonomics of use and modern profile aesthetics
_ available system options:
  – Genesis OUT – outswing window
  – Genesis SU – concealed sash option
_ Genesis 75 is a system intended to design window structures in public buildings as well as in single or multi-family buildings
_ possible to install the Flyscreen and Insect System (mosquito net systems)
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

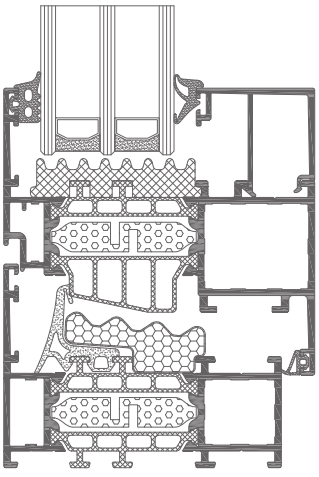
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows	acoustics
GN 75 window	aluminium / insulating material	75 mm	84 mm	fix 1 to 56 mm / 9 to 65 mm	fixed, turn-and-tilt windows	45 (-1,-3) dB

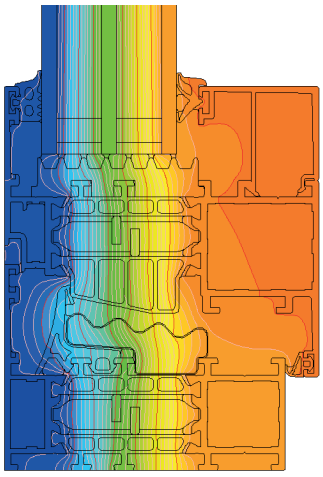
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
GN 75 window	Uf from 1.35 W/m²K	Class 4; EN 12207	Class E2400 (2400 Pa); EN 12210	Class E1800 (1800 Pa)/E1950* (E1950 Pa); EN 12208
GN 75 i+ window	Uf from 0.76 W/m²K	Class 4; EN 12207	Class E2400 (2400 Pa); EN 12210	Class E1800 (1800 Pa)/E1950* (E1950 Pa); EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling
* The value of 1950 Pa was obtained during the test



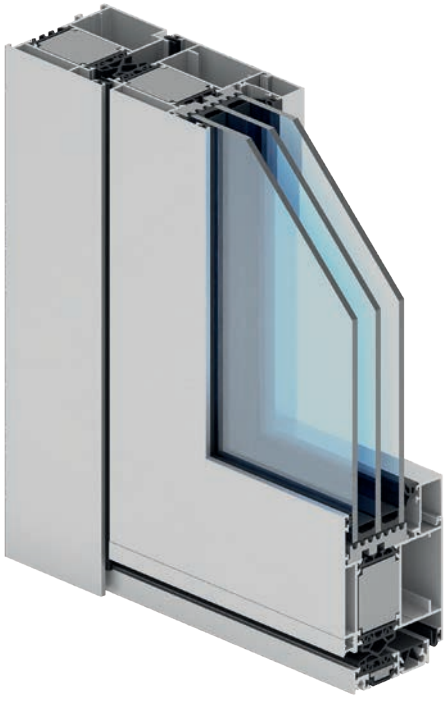
cross-section of the GN 75 window (GN010 + GN020)



example isotherm arrangement for the frame and window sash assembly of the GN 75 window system (GN010 + GN020)

door system

Genesis **75**



full scope
CERTIFIED
cradle to cradle
silver version 3.1
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material health
CERTIFIED
cradle to cradle
silver version 3.1
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system characteristic

_ three-chamber door system used to construct doors with increased thermal insulation performance
_ the Genesis 75 system is based on frame sections with a depth of 75 mm
_ wide range of sections/profiles offered as part of the Genesis 75 system, enabling the design of modern doors and display windows that feature high functionality
_ the Genesis 75 system uses modern insulating materials that are a market novelty; in addition to the classic central gasket, an additional thermal gasket has been designed to achieve very high door tightness (air infiltration, watertightness)
_ possible selection of different profile finishes (also renovation profiles)
_ the Genesis 75 door system sets a new standard for door insulation, while maintaining the highest ergonomics of use and modern profile aesthetics
_ panel doors can also be made on the basis of the Genesis 75 door system
_ Genesis 75 is a system intended to design door structures in public buildings as well as in single or multi-family buildings
_ possible to install the Flyscreen and Insect System (mosquito net systems)
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

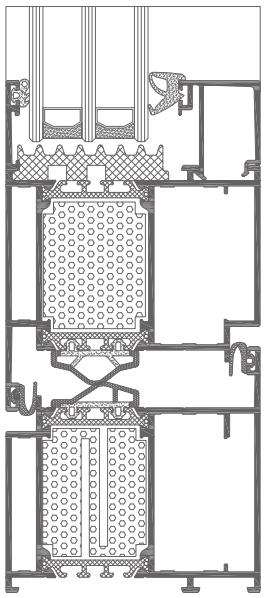
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of doors	acoustics
GN 75 door	aluminium / polyamide	75 mm	75 mm	1 to 59 mm	single, double type of the outswing, inswing type, panic door	44 (-1,-4) dB

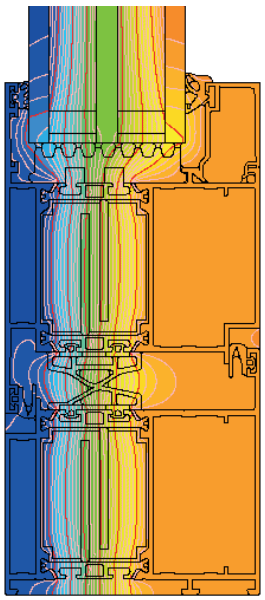
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
GN 75 door	Uf from 1.625 W/m²K	Class 4; EN 12207	Class C5 (2000 Pa); EN 12210	Class E1200 (1200 Pa); EN 12208
GN 75 i+ door	Uf from 1.195 W/m²K	Class 4; EN 12207	Class C5 (2000 Pa); EN 12210	Class E1200 (1200 Pa); EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling
* The value of 1950 Pa was obtained during the test



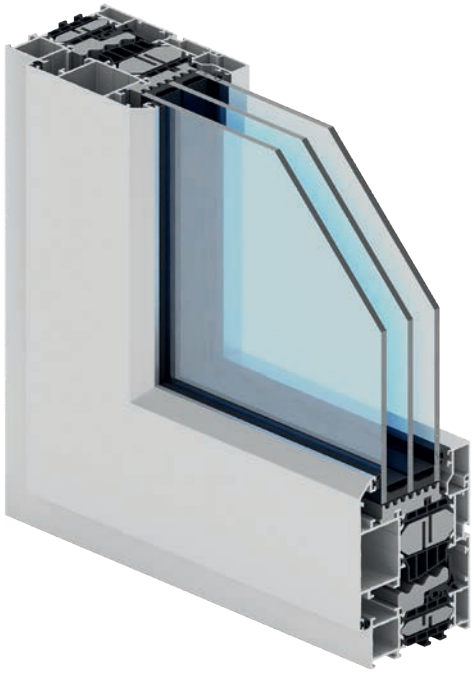
cross-section of the GN 75 door (GN414 + GN425)



example isotherm arrangement for the assembly
of the frame and door sash of the GN 75 door system (GN414 + GN425)

window system

Genesis **OUT**



system characteristic

_ Genesis OUT is intended for the design of tilting and outswing windows
_ the Genesis OUT system is fully compatible with the Genesis 75 window system (the same system components: connectors, gaskets, glazing beads)
_ Genesis OUT features a flush inner surface of the frame and sash
_ outswing windows can be equipped with two types of hinges: rotary or scissor hinges
_ the hardware used allows the sash to be tilted outwards downwards or upwards; it is possible to open the windows outwards using an opening limiter
_ possible to build windows into the display windows by using a reversing profile
_ maximum dimensions and masses of the structure in the system:
– bottom hung windows: minimum width and height of the sash 500 mm, maximum width and height of the sash 2000 mm, and maximum sash mass 100 kg for bottom hung windows
– turn-only windows: minimum sash width and height 500 mm, maximum sash width 1500 mm, sash height 3000 mm, and maximum sash mass 120 kg for turn-only windows
_ the Genesis OUT system is available in an option with increased thermal insulation performance: available options: GENESIS OUT i, GENESIS OUT i+
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

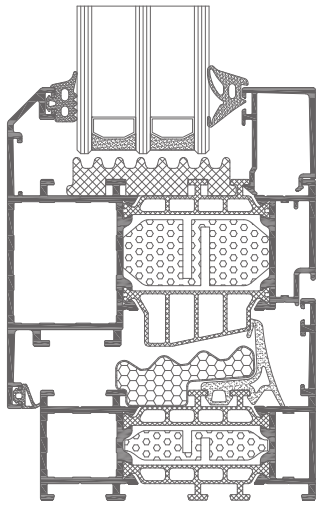
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows
GN OUT	aluminium / thermal insulation	75 mm	84 mm	max. 59 mm	outward

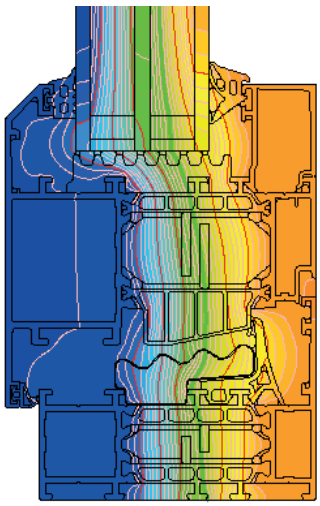
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
GN OUT	Uf from 1.44 W/m²K	Class 4; EN 12207	Class E2400 Pa; EN 12210	Class E2400 Pa; EN 12208
GN OUT i	Uf from 1.28 W/m²K	Class 4; EN 12207	Class E2400 Pa; EN 12210	Class E2400 Pa; EN 12208
GN OUT i+	Uf from 1.01 W/m²K	Class 4; EN 12207	Class E2400 Pa; EN 12210	Class E2400 Pa; EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



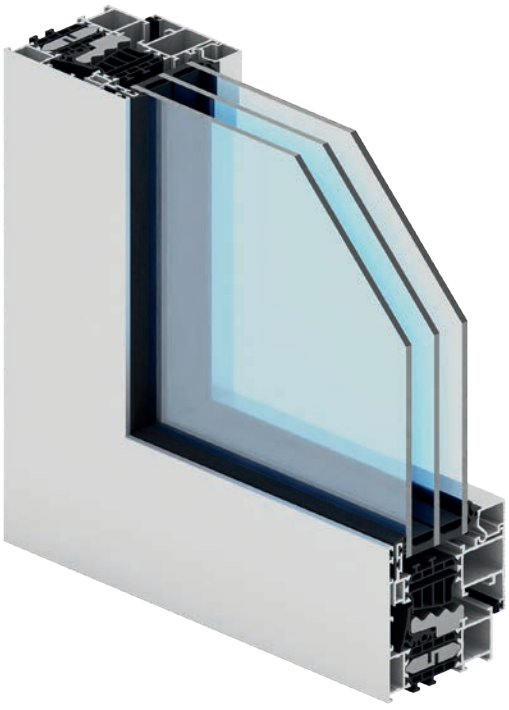
cross-section of the GN OUTi+ window (GN521 + GN010)



example isotherm arrangement for the frame and window sash assembly of the GN OUTi + window system (GN521 + GN010)

window system

Genesis **SU**



system characteristic

_ Genesis SU – triple-chamber window system with thermal insulation featuring a specially designed frame shape that covers the entire height of the sash profile
_ wide range of glazing for use of all types of single and double unit, acoustic or anti-burglary glass panes
_ there are 2 options of movable posts: standard and narrow post for better light passage
_ profile drainage available in two options: traditional and concealed
_ the concealed sash system is the solution preferred by designers, enabling “window covering” in aluminium-glass structures; with the use of this type of solution, openable and fixed panels look identical from the outside
_ available low threshold option for single and double rectangular balcony doors (structures with the use of dedicated profiles)
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

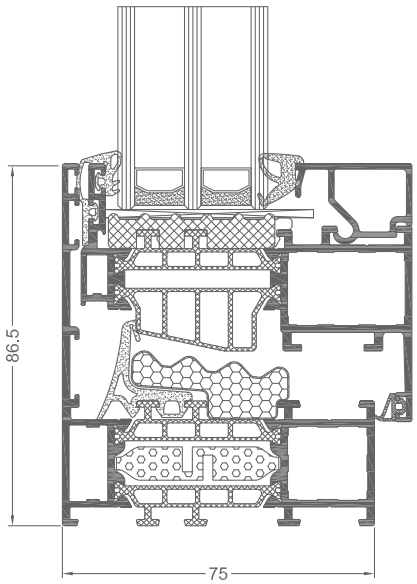
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows
GN SU	aluminium / polyamid	75 mm	79.5 mm	max. 62 mm / fix 59 mm	inswing, fixed window, hidden sash

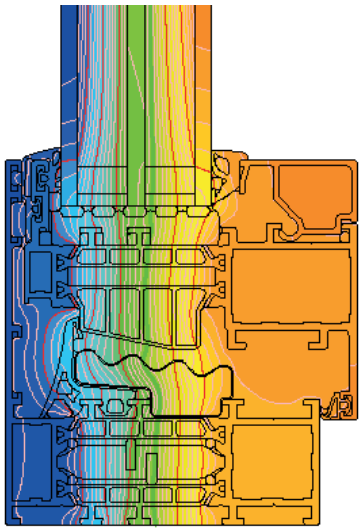
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
GN SU	Uf from 1.47 W/m²K	Class 4; EN 12207	Class C5/B5 (2000 Pa); EN 12210	Class E1950 (1950 Pa); EN 12208
GN SU i	Uf from 0.82 W/m²K	Class 4; EN 12207	Class C5/B5 (2000 Pa); EN 12210	Class E1950 (1950 Pa); EN 12208
GN SU i+	Uf from 0.79 W/m²K	Class 4; EN 12207	Class C5/B5 (2000 Pa); EN 12210	Class E1950 (1950 Pa); EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



cross-section of the GN SU i+ window (GN910 + GN920)

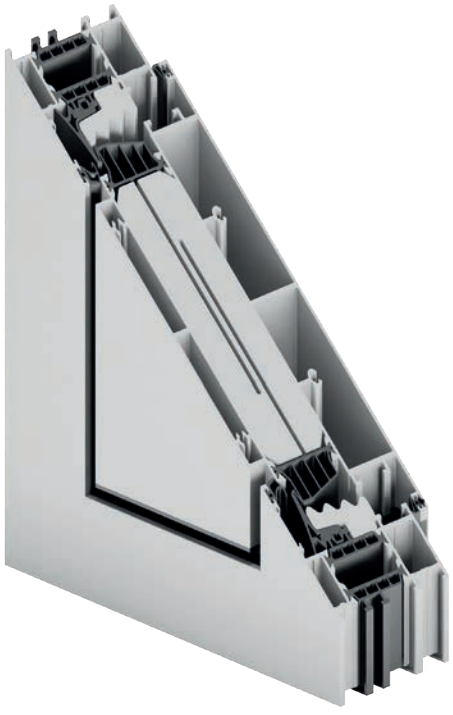


example isotherm arrangement for the assembly of the frame and window sash of the GN SU i+ window system (GN910 + GN920)

window and door systems

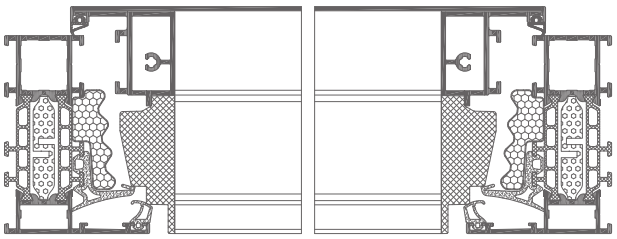
Genesis **75**

ventilation sash

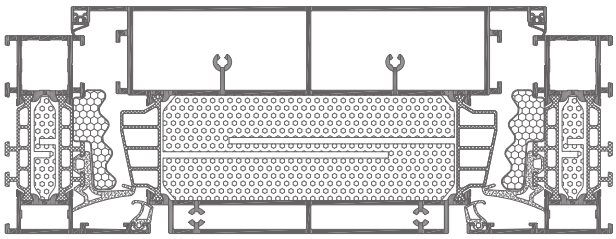


system characteristic

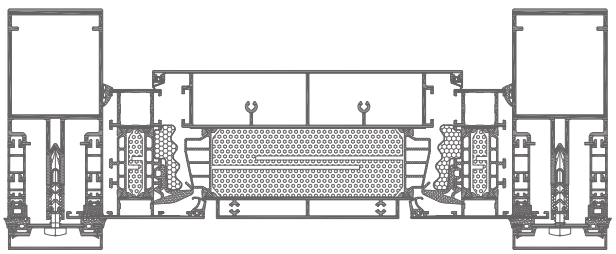
_ system of non-transparent ventilation flaps used in façade and window-door structures
_ visible width of the ventilation sash: 106 mm
_ the solution is located at a depth of 75 mm, compatible with the Genesis 75 system (the GN 75 ventilation sash is flushed externally with the profile of each window frame of the Genesis 75 system)
_ thermal insulation performance corresponds to the standards of the Genesis 75 system
_ the use of dedicated hardware allows the ventilation sash to be designed as vertical and horizontal
_ it is possible to integrate ventilation sashes with the central building management system: installed appropriate sensors (e.g. weather, smoke, carbon monoxide sensors) will respond by closing or opening the sashes, ensuring the safety of people in and around the building
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour



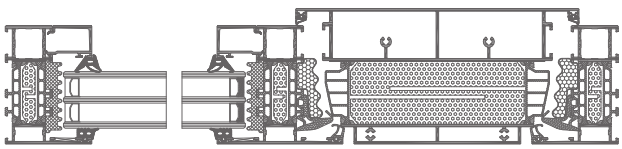
cross-section of the GN 75 ventilation flap (GN010)



ventilation flap GN 75 (GN010 + GN024)



ventilation flap GN 75 in a combination with a mullion-transom façade (GN010 + GN024 + GN010 + MC413)

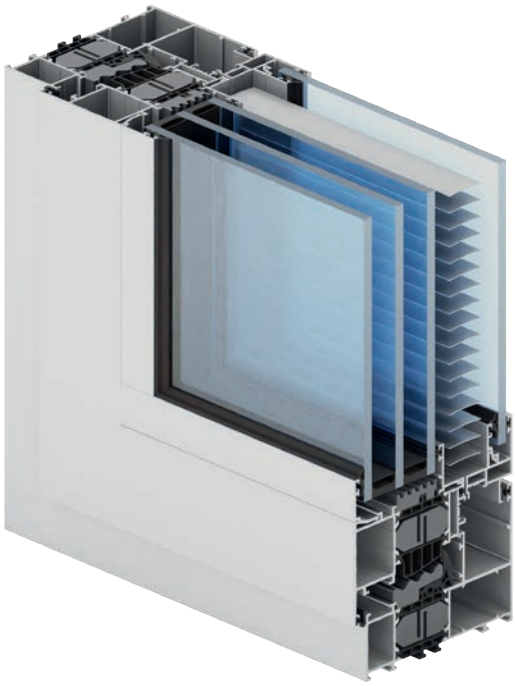


ventilation flap GN 75 in a combination with a window with fixed glazing (GN010 + GN030 + GN024 + GN010)

window and door systems

Genesis **75**

with integrated shutter



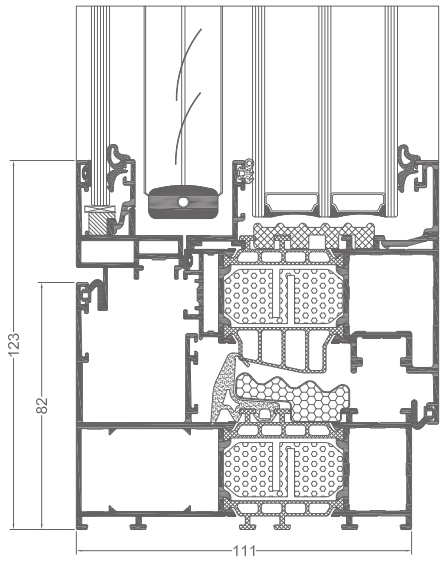
system characteristic

_ system designed on the basis of the Genesis 75 system (GN011 + GN031), possible to be complemented with subsequent profiles from the GN75 system family
_ construction of the system extended with the possibility of integrating the internal shutter between the main glass and the additional external glass
_ 4 glazed unit, providing even better acoustic parameters (acoustics in the range of 46 to 50 dB depending on the glass used, for the construction of a double sash window with a fixed post with dimensions of 2100 x 1900 mm)
_ additional window pane: 6 or 8 mm tempered
_ concealed cable routing in the frame and sash
_ possible installation of control automation
_ Uw = 0.79 W/m²K – for a 2100 x 1800 mm window with Ug = 0.5 W/m²K glass and Swisspacer Ultimate frame
_ possible combinations of structures: single-sash window, double-sash window with a fixed post

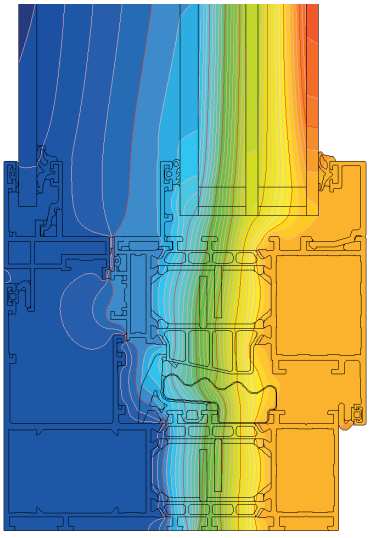
technical specification

system	material	depth of frame	post width	depth of leaf	maximum width of the shutter	post/sash assembly	frame/sash assembly	type of windows	thermal performance Uw*	acoustics
GN 75 window with integrated shutter	aluminium / polyamide	82 mm	124 mm	87 mm	26 mm	205 mm	122 mm	single-leaf, double-sash with a fixed post	Uw* starting from 0.79 W/m²K	46 to 50 dB**

* Parameter for a 2100x1800mm window with Ug = 0.5 W/m²K glass and Swisspacer Ultimate frame
** Depending on the glass panes used



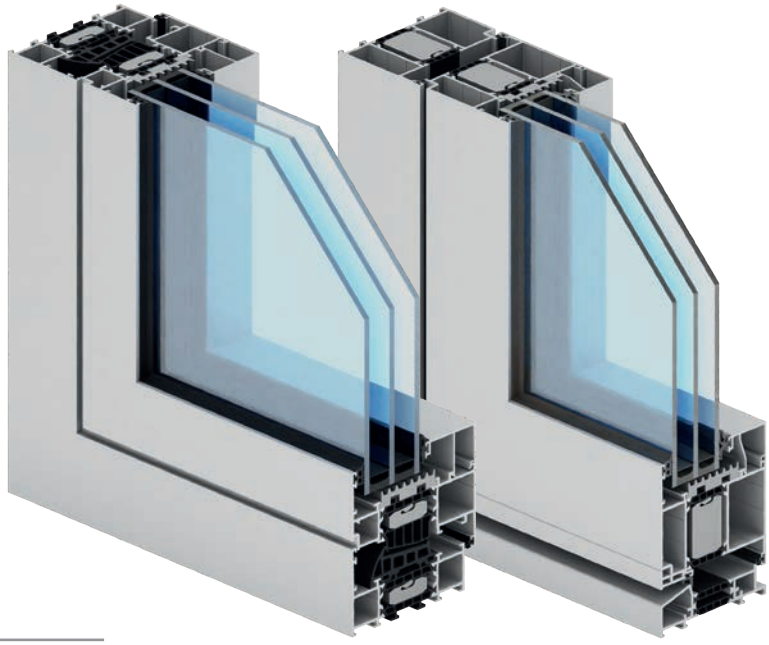
cross-section of the GN75 window with integrated shutter (GN2011 + GN2021 + GN2071)



example of isotherms arrangement for the GN 75 window with integrated shutter (GN2011 + GN2021 + GN2071)

window and door systems

Star



full scope CERTIFIED cradle to cradle silver version 3.1 C2CCERTIFIED.ORG

material health CERTIFIED cradle to cradle silver version 3.1 C2CCERTIFIED.ORG

system characteristic

_ modern aluminium system for the design of windows and doors requiring very good thermal insulation
_ thermal separator with a depth of 45 mm, made of solid and proven materials, is a reliable heat barrier
_ the same type of insulating insert in the window sash and in the window frame ensures continuity of protection against heat loss of the entire structure
_ new standard of glass profile overlap – increased depth improves the thermal and structural properties of the system
_ possible hardware for the door with a roller hinge system with a very high load capacity
_ innovative water drainage system from the structure (no visible elements blinding the drainage holes)
_ the same type of corner and T-type connector in the external and internal compartment (reduction in the number of accessories and faster fabrication)
_ reduced number of glazing beads and gaskets, while maintaining continuity of glazing, depending on the thickness of packages
_ possible glazing from the outside
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ system especially recommended for low-energy buildings and those undergoing thermal insulation improvement, as they increase thermal comfort also in standard facilities
_ possible to install the Flyscreen and Insect System (mosquito net systems)
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

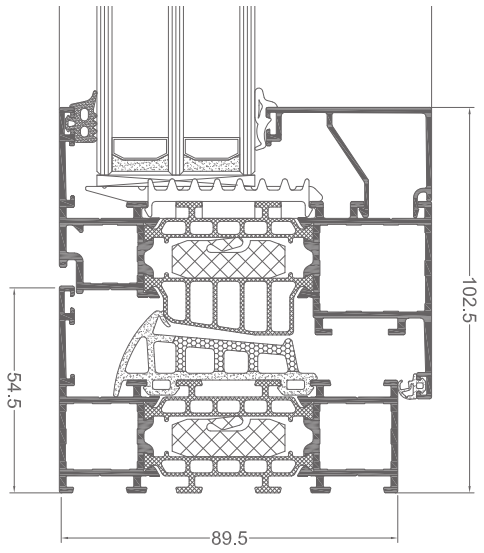
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows	door type	acoustics
GT window	aluminium / thermal insulation	90 mm	99 mm	fix 14 to 72 mm / 23 to 81 mm	walls, fixed, turn-and-tilt windows	–	48 (-2,-5) dB
GT door	aluminium / thermal insulation	90 mm	99 mm	14 to 72 mm	–	single, double type of the outswing, inswing type	45 (-1,-3) dB

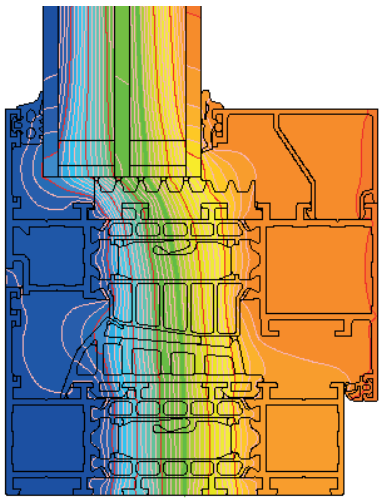
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
GT window	Uf from 0.73 W/m²K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E900; EN 12208
GT door	Uf from 1.21 W/m²K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E1350; EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



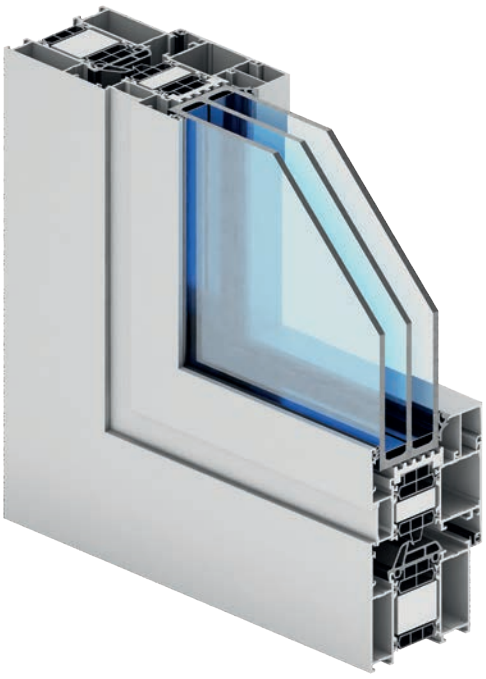
cross-section of the Star window (GT010 + GT020)



example isotherm arrangement for the frame and window sash assembly of the Star system (GT010 + GT020)

window and door systems

Superial i+



system characteristic

_ system used to construct windows, doors and shop windows with high thermal insulation parameters
_ high thermal insulation parameters have been obtained by using special thermal inserts between the thermal separators and around the glass pane to improve insulation performance of the cross section by 0.2 to 0.4 W/m²K
_ available thermal options SP i, SP i+
_ available wide range of sections guarantees that the required aesthetics and strength of the structure are obtained
_ available glazing beads in the following options: rectangular and rounded
_ profile shapes adapted to the installation of various types of perimeter hardware, including concealed hinges and PVC hardware
_ wide range of glazing for use of all types of single and double unit, acoustic or anti-burglary glass panes
_ profile drainage available in two options: traditional or concealed
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ available low threshold option for single and double rectangular balcony doors (structures with the use of dedicated profiles); additionally increase in tightness parameters of the structure with the use of the ACRS461 gasket
_ possible to install the Flyscreen and Insect System (mosquito net systems)
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

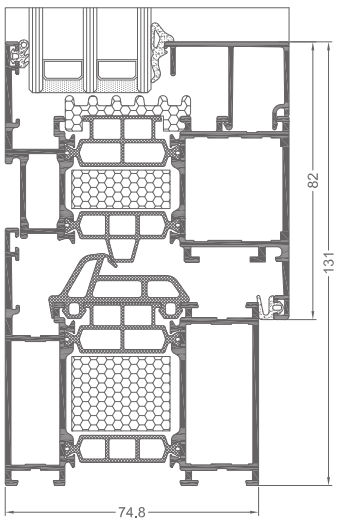
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows	acoustics
SP	aluminium / polyamide	75 mm	84 mm	14 to 61 mm	fix, turn-only, tilting, turn-and-tilt	47 (-1,-3) dB
SP i+	aluminium / polyamide	75 mm	84 mm	14 to 61 mm	fix, turn-only, tilting, turn-and-tilt	47 (-1,-3) dB

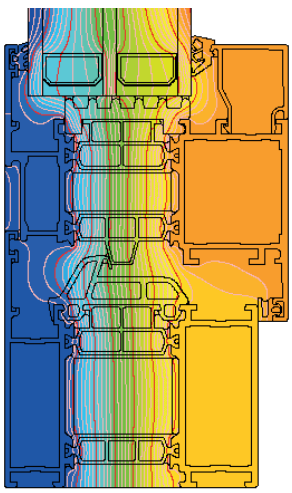
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
SP	Uf from 1.41 W/m²K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E1950; EN 12208
SP i+	Uf from 1.08 W/m²K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E1950; EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



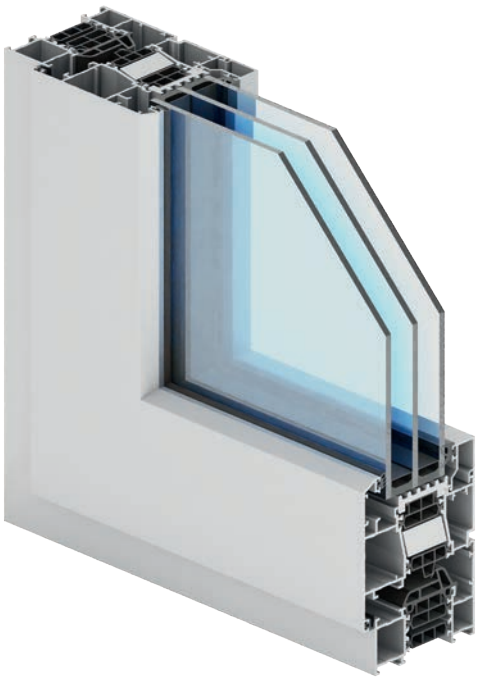
cross-section of the SP i+ window (SP012 + SP621)



example isotherm arrangement for the assembly of the frame and window sash of the SP i+ window system (SP012 + SP621)

window system

Superial **OUT**



system characteristic

_ Superial OUT system intended for the design of tilting and outswing windows, features a flush inner surface of the frame and the sash
_ the system is fully compatible with the Superial window system (the same system components: connectors, gaskets, glazing beads)
_ outswing windows can be equipped with two types of hinges: rotary or scissor hinges; the hardware used allows the sash to be tilted outwards down or upwards; it is possible to open the windows outwards using an opening limiter
_ possible to build windows into the display windows by using a reversing profile
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ maximum dimensions and weights of the structure in the Superial OUT system
– bottom hung windows: minimum width and height of the sash 500 mm, maximum width and height of the sash 2000 mm, and maximum sash mass 100 kg for bottom hung windows
– turn-only windows: minimum sash width and height 500 mm, maximum sash width 1500 mm, sash height 3000 mm, and maximum sash mass 120 kg for turn-only windows
_ the SP OUT system is available in a version with increased thermal insulation performance; available options:
– SP OUT and with insulation around the perimeter at the place where the glass adheres to the profile
– SP OUT i+ with insulation also in the space between thermal spacers
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

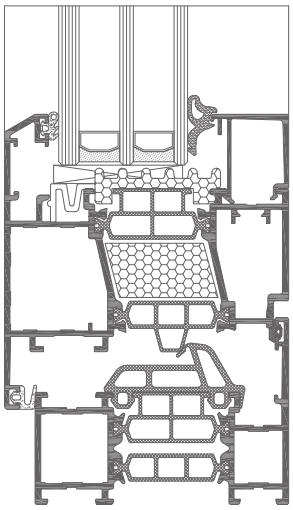
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows
SP OUT	aluminium / polyamide	75 mm	84 mm	max. 61 mm	outswing
SP OUT i+	aluminium / polyamide	75 mm	84 mm	max. 61 mm	outswing

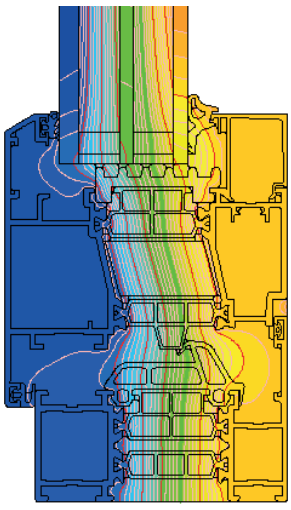
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
SP OUT	Uf from 1.65 W/m²K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E900; EN 12208
SP OUT i+	Uf from 1.41 W/m²K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E900; EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



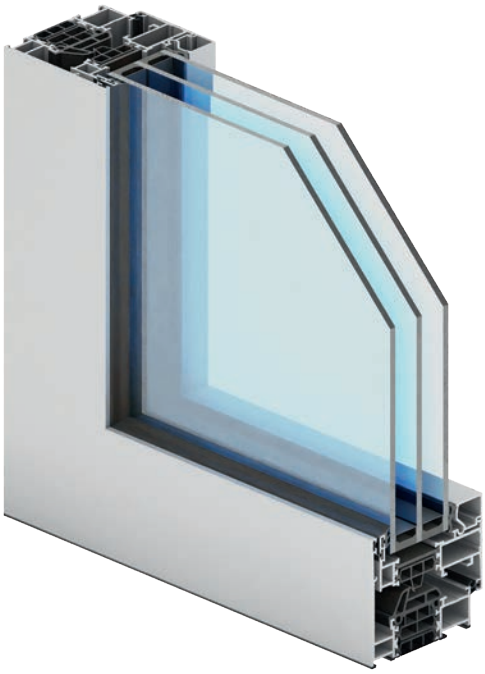
cross-section of the SP OUT i+ window (SP010 + SP521)



example isotherm arrangement for the assembly of the frame and window sash of the SP OUT i+ window system (SP010 + SP521)

window system

Superial **SU**



system characteristic

_ three-chamber window system with thermal insulation used to construct windows with a concealed sash that is invisible from the outside
_ the system featuring a specially designed frame shape covering the entire height of the sash profile
_ wide range of glazing for use of all types of single and double unit, acoustic or anti-burglary glass panes
_ profile drainage available in two options: traditional and concealed
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ available low threshold option for single and double rectangular balcony doors (structures with the use of dedicated profiles); additionally increase in tightness parameters of the structure with the use of the ACRS461 gasket
_ the SP SU system is available in an option with increased thermal insulation performance: available SP SU option and with insulation around the perimeter at the place where the glass adheres to the profile
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

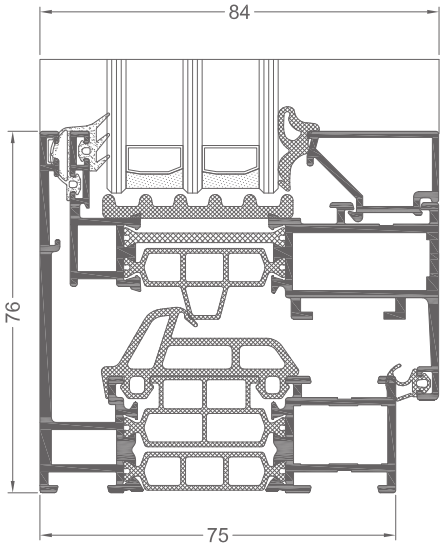
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows	acoustics
SP SU	aluminium / polyamide	75 mm	78 mm	14 to 51 mm	hidden sash	47 (-1,-5) dB
SP SU i	aluminium / polyamide	75 mm	78 mm	14 to 51 mm	hidden sash	47 (-1,-5) dB

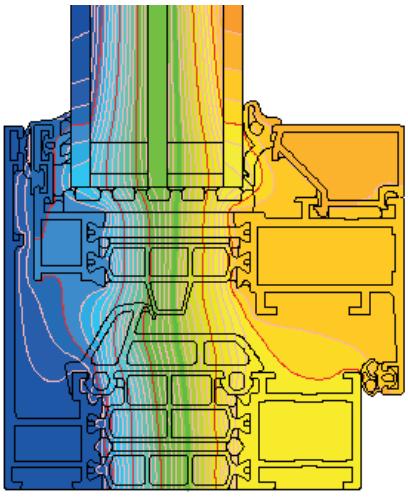
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
SP SU	Uf from 1.48 W/m^{2}K	Class 4; EN 12207	Class C4/B4; EN 12210	Class E1200; EN 12208
SP SU i	Uf from 1.12 W/m^{2}K	Class 4; EN 12207	Class C4/B4; EN 12210	Class E1200; EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



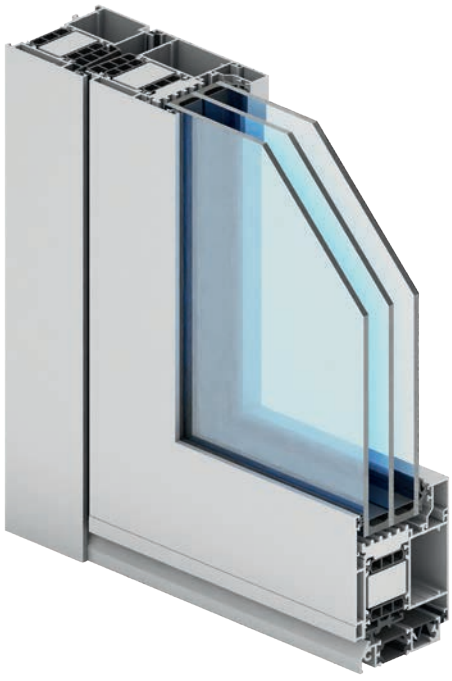
cross-section of the SP SU i window (SP921 + SP916PL)



example isotherm arrangement for the assembly of the frame and window sash of the SP SU i window system (SP921 + SP916PL)

door system

Superial **800 i+**



system characteristic

_ three-chamber door system with thermal insulation, intended for the construction of doors with high insulation parameters
_ system compatible with the Superial system; with adaptive profiles, it is possible to build the SP800 series structure into Superial display windows
_ the system features very good anti-burglary properties (the lock is located far from the outside)
_ it is possible to use a thermally insulated threshold that can be removed after installing the door in the opening
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ the SP 800 system available in two thermal options:
– SP 800 i
– SP 800 i+
_ increased insulation performance has been achieved by using special thermal inserts between the thermal separators and around the glass pane; this solution improves insulation performance of the cross-section by 0.2 to 0.5 W/m^{2}K
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

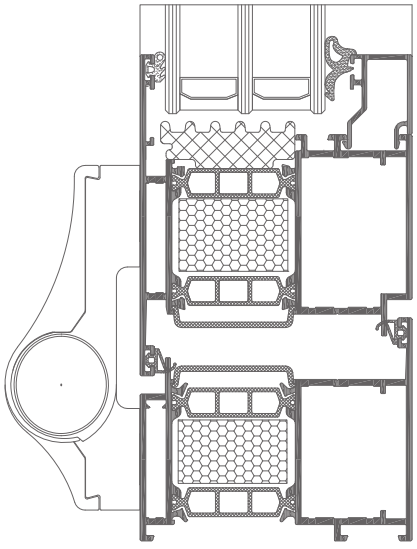
technical specification

system	material	depth of frame	depth of leaf	glazing range	door type	acoustics
SP 800	aluminium / polyamide	75 mm	75 mm	14 to 61 mm	single, double type of the outswing, inswing type, panic door	44 (0,-2) dB
SP 800 i+	aluminium / polyamide	75 mm	75 mm	14 to 61 mm	single, double type of the outswing, inswing type, panic door	44 (0,-2) dB

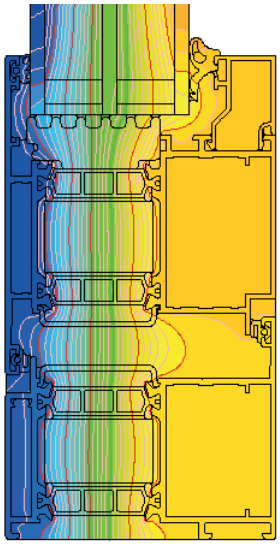
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
SP 800	Uf from 1.61 W/m^{2}K	Class 4; EN 12207	Class CE/BE 2400 (2400 Pa); EN 12210	Class 8A; EN 12208
SP 800 i+	Uf from 1.36 W/m^{2}K	Class 4; EN 12207	Class CE/BE 2400 (2400 Pa); EN 12210	Class 8A; EN 12208

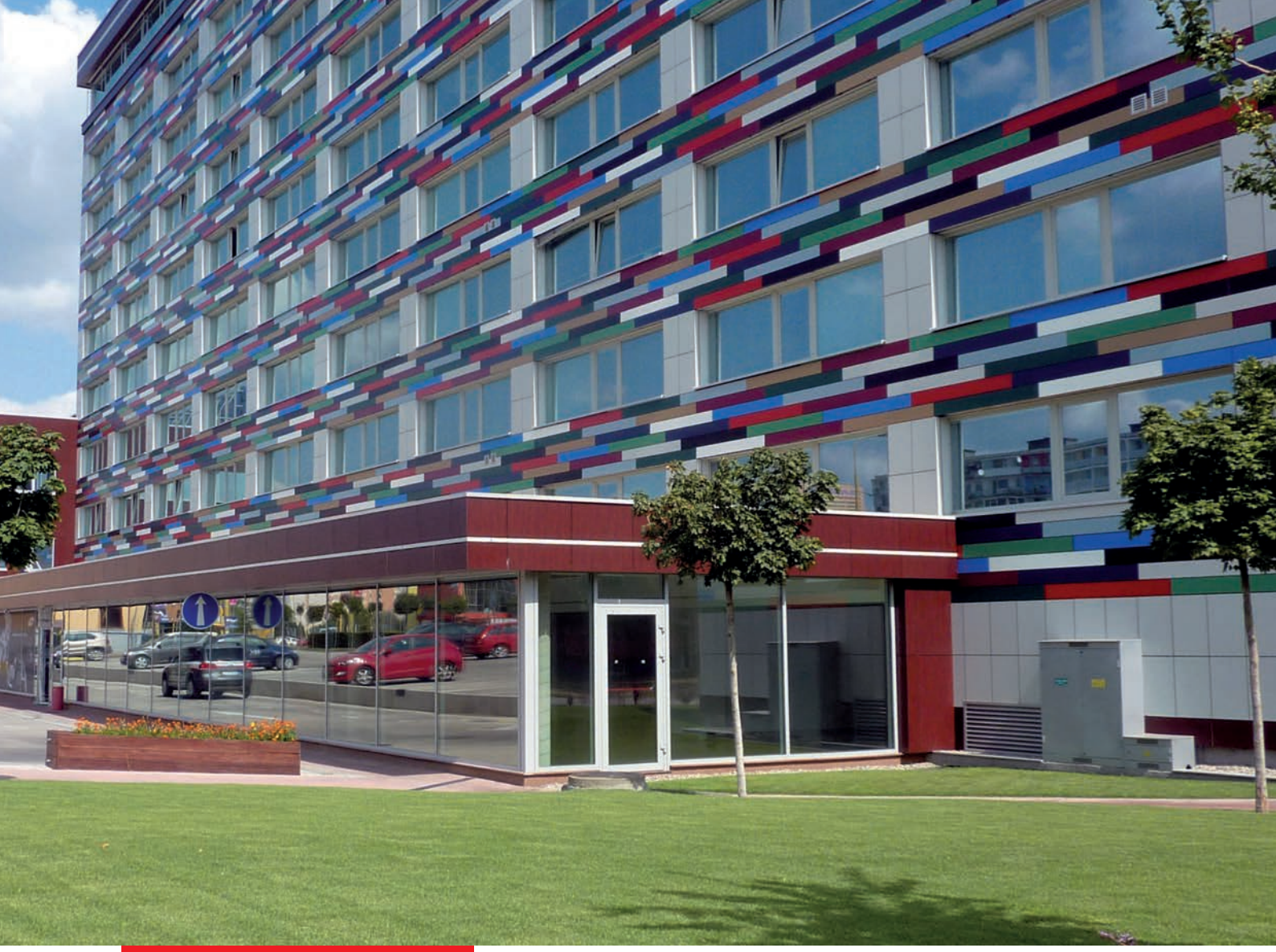
* Thermal insulation is dependent on a combination of profiles and thickness of the filling



cross-section of the SP 800i+ door (SP814 + SP825)

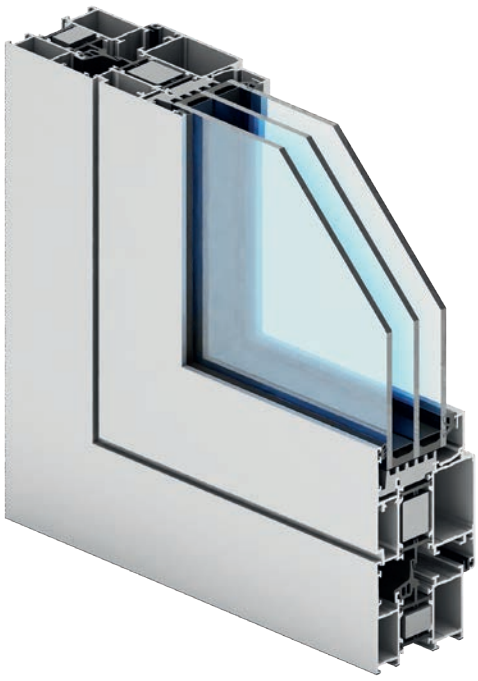


example isotherm arrangement for the assembly of the frame and door leaf of the SP 800i+ door system (SP814 + SP825)



window and door systems

Imperial i+



system characteristic

_ window and door system with increased thermal insulation performance: IP i, IP i+ used to construct windows, doors and display windows with high thermal insulation parameters
_ high thermal insulation parameters have been obtained by using special thermal inserts between the thermal separators and around the glass pane
_ available wide range of system sections guarantees that the required aesthetics and strength of the structure are obtained
_ glazing beads available in the following options: rectangular and rounded
_ profile shapes adapted to the installation of various types of perimeter hardware, including concealed hinges and PVC hardware
_ wide range of glazing for use of all types of single and double unit, acoustic or anti-burglary glass panes
_ profile drainage available in two options: traditional or concealed
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ system designed for use in residential and public buildings; Imperial i+ allows the design of modern window structures solutions in many variants
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

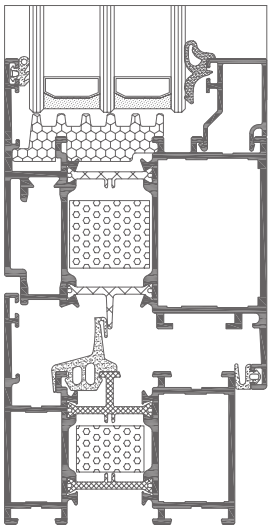
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows	acoustics
IP i	aluminium / polyamide	65 mm	74 mm	14 to 51 mm	single, double type of the outswing, inswing type	43 (-2,-4) dB
IP i+	aluminium / polyamide	65 mm	74 mm	14 to 51 mm	single, double type of the outswing, inswing type	43 (-2,-4) dB

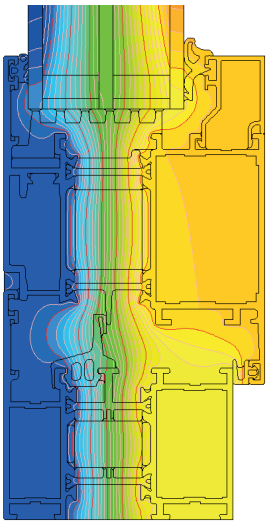
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
IP i	Uf from 1.57 W/m²K	Class 4; EN 12207	Class C4; EN 12210	Class E1350; EN 12208
IP i+	Uf from 1.28 W/m²K	Class 4; EN 12207	Class C4; EN 12210	Class E1350; EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



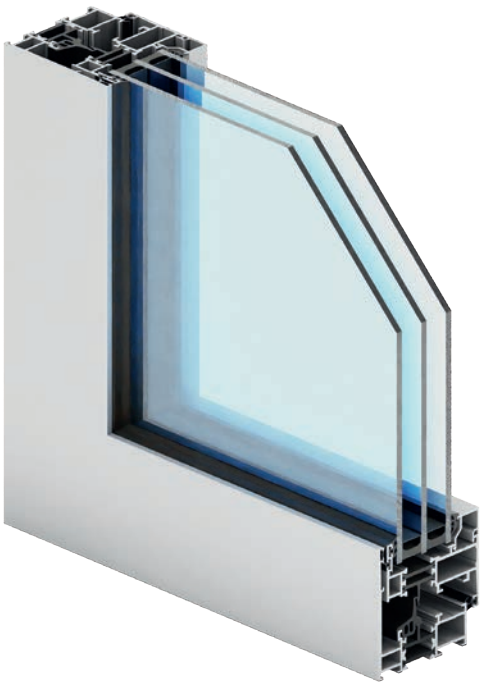
cross-section of the IP i+ window (IP011 + IP622)



example isotherm arrangement for the assembly of the frame and window sash of the IP i+ window system (IP011 + IP622)

window system

Imperial **SU**



system characteristic

_ three-chamber window system with thermal insulation used to construct windows with a hidden sash that is invisible from the outside
_ the system featuring a specially designed frame shape covering the entire height of the sash profile
_ wide range of glazing for use of all types of single and double unit, acoustic or anti-burglary glass panes
_ profile drainage available in two options: traditional and hidden
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ the IP SU system is available in an option with increased thermal insulation performance, available IP SU option and with insulation around the perimeter at the place where the glass adheres to the profile
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

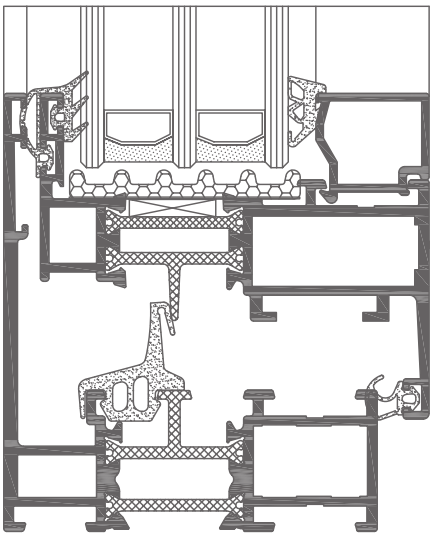
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows
IP SU	aluminium / polyamide	65 mm	68 mm	4 to 41 mm	hidden sash
IP SU i	aluminium / polyamide	65 mm	68 mm	4 to 41 mm	hidden sash

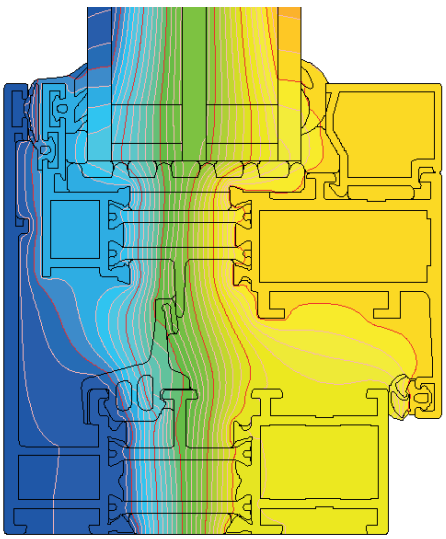
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
IP SU	Uf from 1.63 W/m^{2}K	Class 4; EN 12207	Class C5; EN 12210	Class E1200; EN 12208
IP SU i	Uf from 1.27 W/m^{2}K	Class 4; EN 12207	Class C5; EN 12210	Class E1200; EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



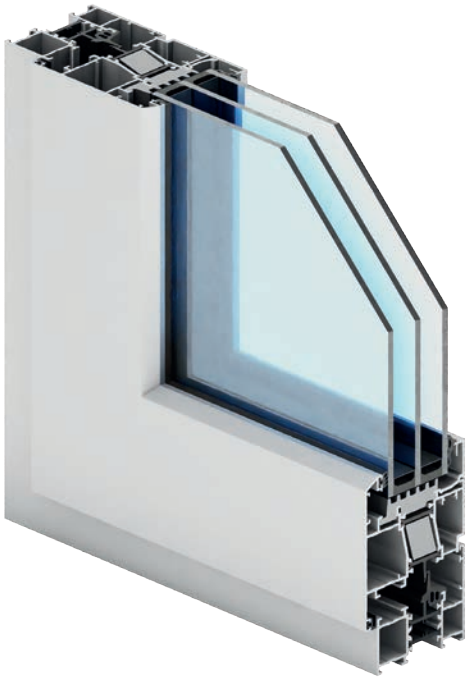
cross-section of the IP SU i window (IP916PL + IP921)



example isotherm arrangement for the assembly of the frame and window sash of the IP SU i window system (IP916PL + IP921)

window system

Imperial **OUT**



system characteristic

_ window system for the design of tilting and outswing windows
_ the Imperial OUT system is fully compatible with the Imperial window system (the same system components: connectors, gaskets, glazing beads)
_ the Imperial OUT system features a flush inner surface of the frame and the sash
_ outswing windows can be equipped with two types of hinges: rotary or scissor hinges; the hardware used allows the sash to be tilted outwards down or upwards; it is possible to open the windows outwards using an opening limiter
_ possible to build windows into the display windows by using a reversing profile
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ maximum dimensions and masses of the structure in the Imperial OUT system:
– tilt out windows: minimum width and height of the sash 500 mm, maximum width and height of the sash 2000 mm, and maximum sash mass 100 kg for bottom hung windows
– turn-only windows: minimum sash width and height 500 mm, maximum sash width 1500 mm, sash height 3000 mm, and maximum sash mass 120 kg for turn-only windows
_ the IP OUT system is available in a version with increased thermal insulation performance; available options:
– IP OUT and with insulation around the perimeter at the place where the glass adheres to the profile
– IP OUT i+ with insulation also in the space between thermal breaks
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

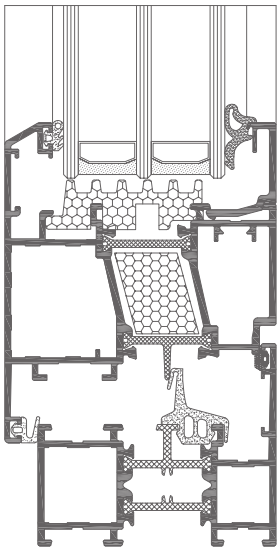
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows
IP OUT	aluminium / polyamide	65 mm	74 mm	max. 51	outswing
IP OUT i+	aluminium / polyamide	65 mm	74 mm	max. 51	outswing

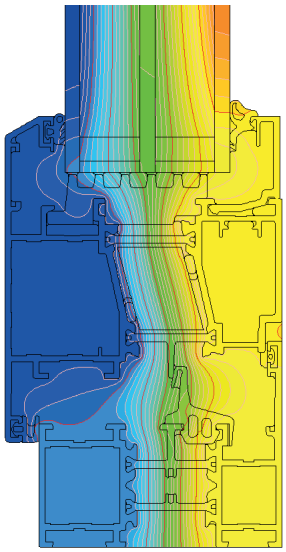
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
IP OUT	Uf from 1.85 W/m²K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E900; EN 12208
IP OUT i +	Uf from 1.68 W/m²K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E900; EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



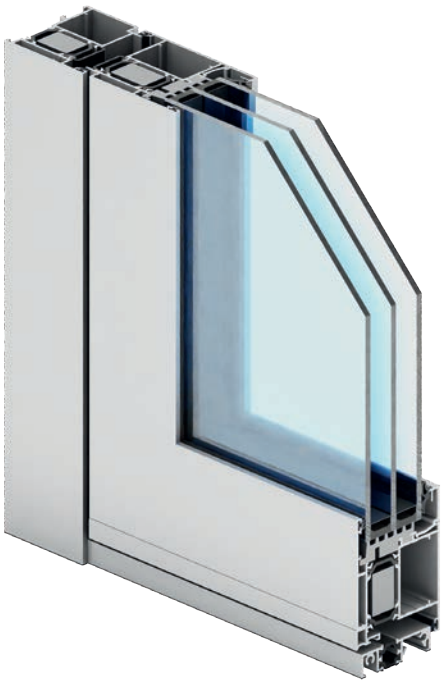
cross-section of the IP OUT i+ window (IP521 + IP010)



example isotherm arrangement for the assembly of the frame and window sash of the IP OUT i+ window system (IP521 + IP010)

door system

Imperial **800 i+**



system characteristic

_ three-chamber door system with thermal insulation, intended for the construction of doors with high insulation parameters
_ system compatible with the Imperial system – with adaptive profiles, it is possible to build the IP 800 series structure into Imperial shop windows
_ the system features very good anti-burglary properties (the lock is located far from the outside)
_ it is possible to use a thermally insulated threshold that can be removed after installing the door in the opening
_ the system features a solution to prevent finger trapping (anti-finger)
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ the system available in two options: IP800 i, IP800 i+; increased insulation performance has been achieved by using special thermal inserts between the thermal separators and around the glass pane; this solution improves insulation performance of the cross-section by 0.2 to 0.5 W/m^{2}K
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

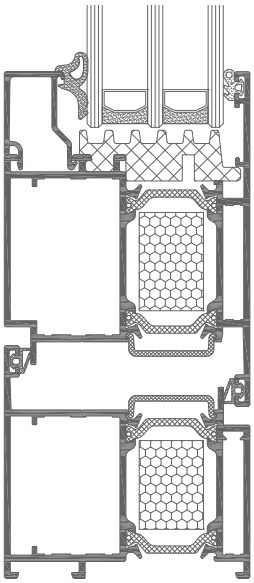
technical specification

system	material	depth of frame	depth of leaf	glazing range	door type
IP 800	aluminium / polyamide	65 mm	65 mm	4 to 51 mm	single, double of the outswing, inswing type, panic door
IP 800 i+	aluminium / polyamide	65 mm	65 mm	4 to 51 mm	single, double of the outswing, inswing type, panic door

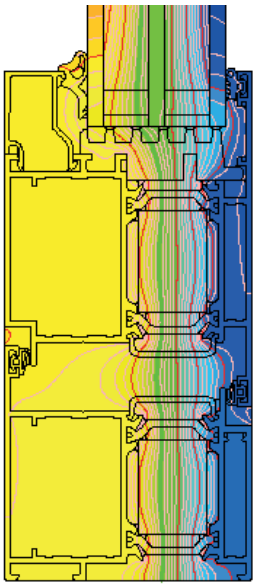
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
IP 800	Uf from 1.84 W/m^{2}K	Class 4; EN 12207	Class CE 2400; EN 12210	Class 8A; EN 12208
IP 800 i+	Uf from 1.67 W/m^{2}K	Class 4; EN 12207	Class CE 2400; EN 12210	Class 8A; EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



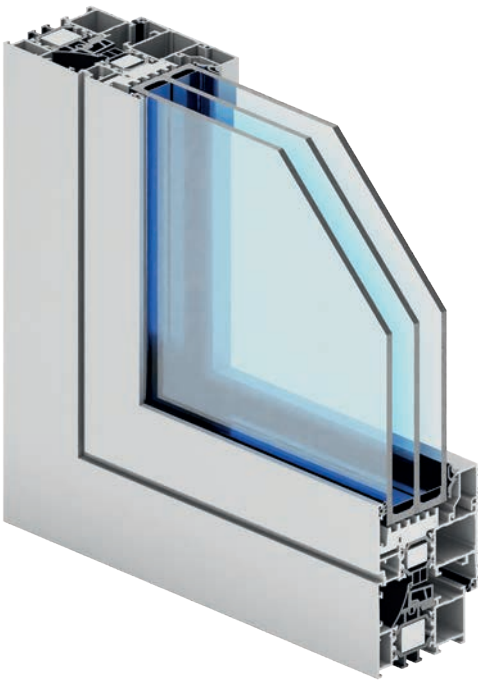
cross-section of the IP 800 i+ door (IP814 + IP825)



example isotherm arrangement for the assembly of the frame and door sash of the IP 800i+ door system (IP814 + IP825)

window and door systems

Ecofutural



full scope CERTIFIED cradle to cradle silver version 3.1 C2CCERTIFIED.ORG

material health CERTIFIED cradle to cradle silver version 3.1 C2CCERTIFIED.ORG

system characteristic

_ three-chamber window system used to construct windows with high thermal insulation performance
_ the Ecofutural system is available in a version with increased thermal insulation performance, system options:
_ options of the Ecofutural system:
  – Ecofutural i – with insulation around the perimeter at the place where the glass adheres to the profile
  – Ecofutural i+ – with insulation around the perimeter at the place where the glass adheres to the profile and with insulation in the space between the thermal breaks
_ system design allows you to design a monoblock window and a door with a shifted axis of rotation – PIVOT doors
_ profile shapes adapted to the installation of various types of perimeter hardware intended for the PVC groove
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

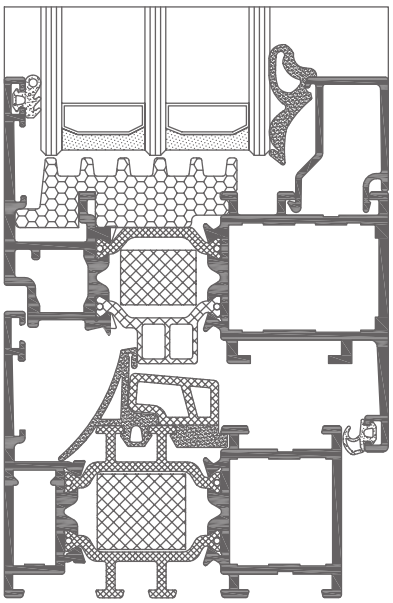
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows	door type
EF	aluminium / polyamide	65 to 153 mm	74 mm	fix 4 to 50 mm / window 13 to 59 mm	fix, turn-only, tilting, turn-and-tilt	pivot

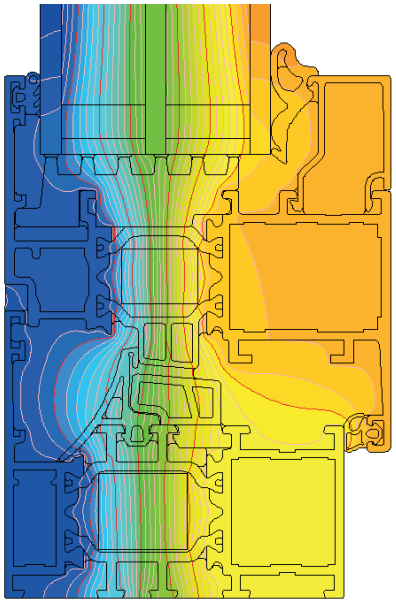
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
EF	Uf from 1.50 W/m²K	Class 4; EN 12207	Class C4 (1600 Pa); EN 12210	Class 9A (600 Pa); EN 12208
EF i	Uf from 1.44 W/m²K	Class 4; EN 12207	Class C4 (1600 Pa); EN 12210	Class 9A (600 Pa); EN 12208
EF i+	Uf from 1.27 W/m²K	Class 4; EN 12207	Class C4 (1600 Pa); EN 12210	Class 9A (600 Pa); EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



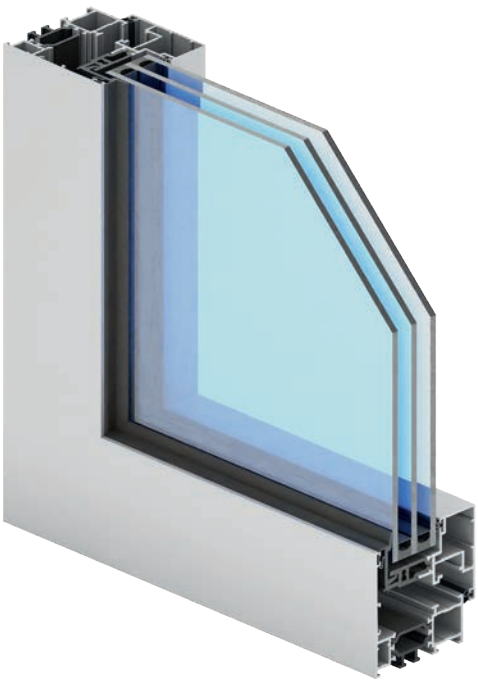
cross-section of the EF window (EF010 + EF020)



example isotherm arrangement for the EF system (EF010 + EF020)

window system

Ecofutural **OC**



system characteristic

_ three-chamber window system with high thermal insulation performance
_ system featuring a specially designed frame shape covering the entire height of the sash profile
_ glazing bead as a great advantage, not visible from the inside
_ system design allowing the construction of a monoblock window
_ very narrow sash connection (movable mullion) – 77 mm, ensuring the structure is slender
_ profiles prepared for the installation of external roller shutters are available in the system
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

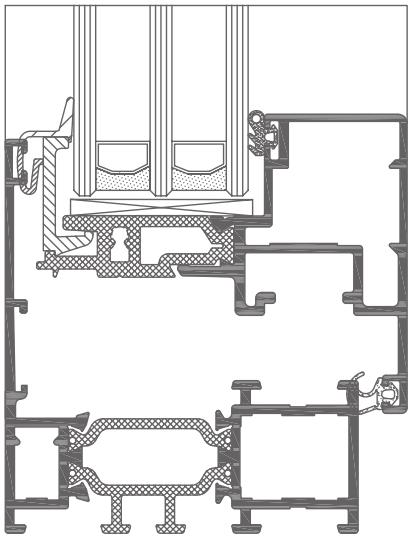
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows
EF OC	aluminium / polyamide	65 to 177 mm	68 mm	fix 21 to 26 mm / window 21 to 32 mm	fix, turn-only, tilting, turn-and-tilt, hidden sash

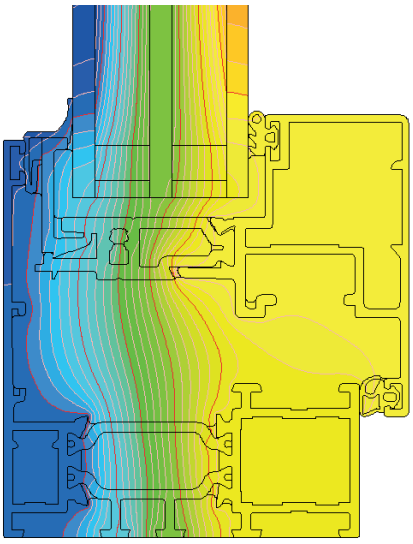
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
EF OC	Uf from 1.66 W/m^{2}K	Class 4; EN 12207	Class C3 (1200 Pa); EN 12210	Class E900 (900 Pa); EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



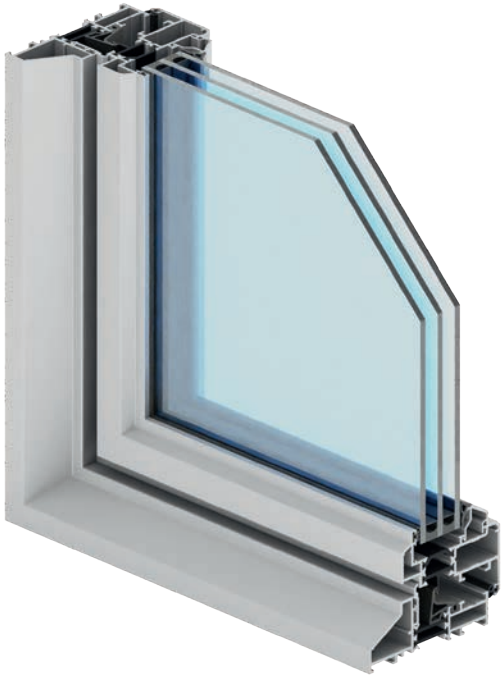
cross-section of the EF OC window (EF214 + EF222)



example isotherm arrangement for the Ecofutural OC system (EF214 + EF222)

window and door systems

Steel Look



system characteristic

_ window and door system with thermal insulation, featuring smooth and slim profile line
_ the specific shape of the profile (resembling steel profiles) gives the structure a modern industrial character
_ Steel Look is a system distinguished on the market by its unique design
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

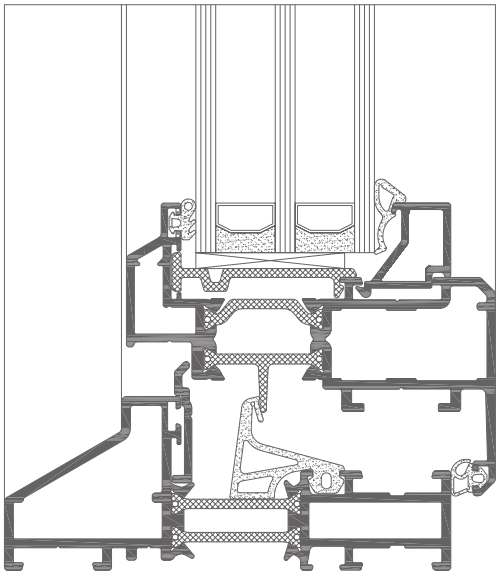
technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows	door type
ST 1000	aluminium / polyamide	90 mm	74.4 mm	5 to 43 mm	fixed glazing fix, turn-only, tilting	turn-only, balcony type

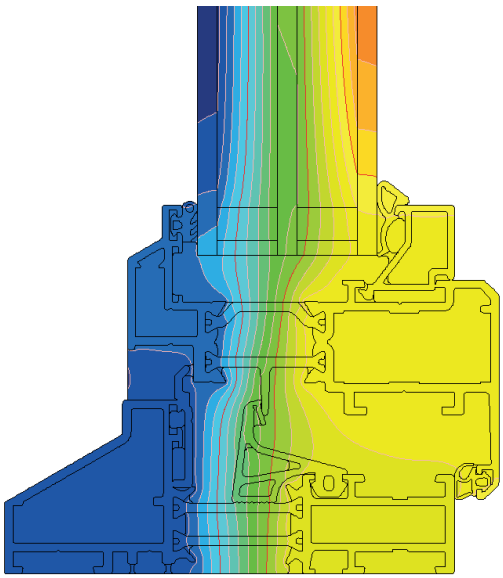
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
ST 1000	Uf from 1.85 W/m²K	Class 4; EN 12207	Class 7A (300 Pa), EN 12210	Class C4 (1600 Pa); EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



cross-section of the ST 1000 window (ST1010 + ST1020)

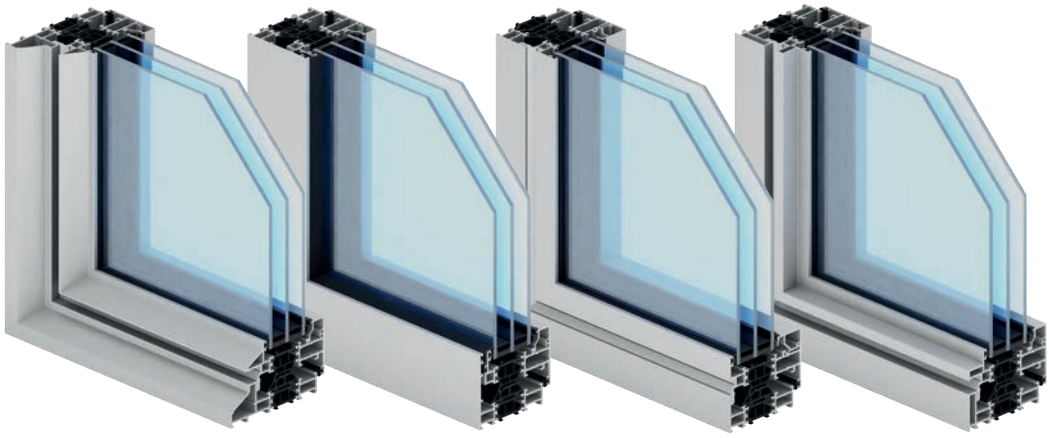


example isotherm arrangement for the ST 1000 system (ST1010 + ST1020)

window and door systems

Max Light

Steel Invisible Modern Design



full scope
CERTIFIED
cradle to cradle
silver version 3.1
C2CCERTIFIED.ORG

material health
CERTIFIED
cradle to cradle
silver version 3.1
C2CCERTIFIED.ORG

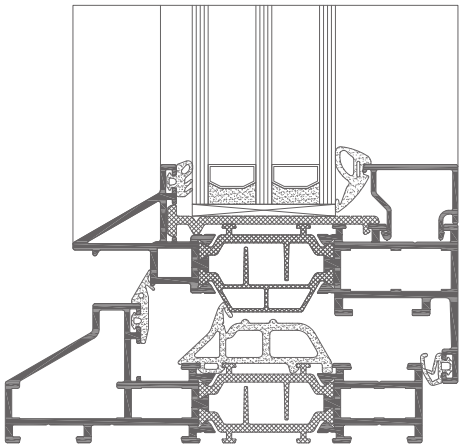
system characteristic

_ window and door system with thermal insulation, featuring a slim profile line ensuring maximum light access
_ the specific shape of the profiles of the Max Light system (resembling steel profiles) gives the structure a modern industrial character
_ system application: turn-only, fixed windows, openable windows: single-sash windows with the possibility of tilting, outswing type
_ available system options: Max Light DESIGN, Max Light INVISIBLE, Max Light MODERN, Max Light STEEL
_ Max Light is a group of systems distinguished on the market by its unique design, dedicated to modern architectural projects
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

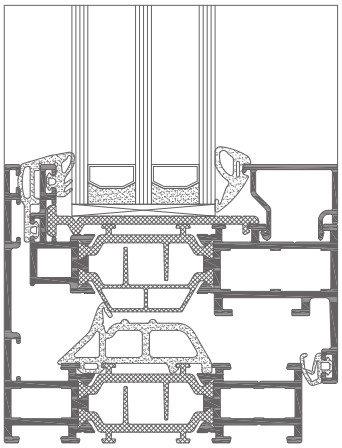
technical specification

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
ML	Uf from 1.8 W/m²K	Class 4; EN 12207	Class C5; EN 12210	Class E1650; EN 12208

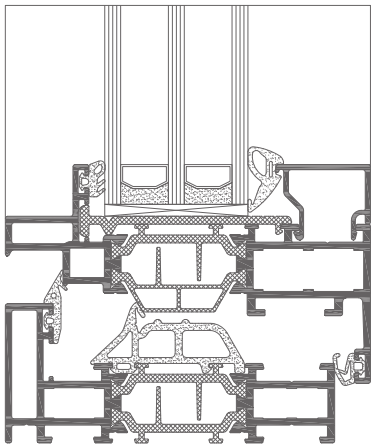
* Thermal insulation is dependent on a combination of profiles and thickness of the filling



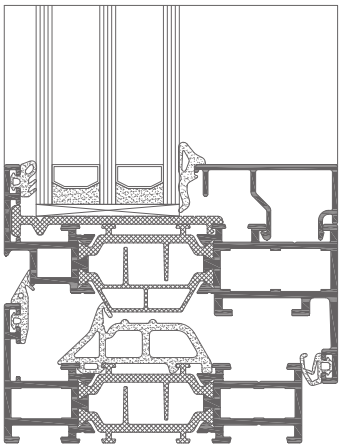
cross-section of the Max Light Steel system (ML820N + ML810)



cross-section of the Max Light Invisible system (ML920 + ML910)



cross-section of the Max Light Design system (ML620 + ML610)



cross-section of the Max Light Modern system (ML020 + ML010)

window system

VS 600

system characteristic

_ system with increased thermal insulation performance used to design vertical sliding structures
_ the system is equipped with a drive unit of a reputable company, concealed inside the profile, enabling the sashes to be moved vertically
_ the drive unit additionally has a tilting function, which makes it easier to clean the outside of the glazing
_ available thicknesses of fillings: 24 mm, 28 mm
_ depth of frame 126 mm
_ the VS600 system is used in the design of residential and public buildings (schools, hospitals, banks), as well as in renovation building development
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

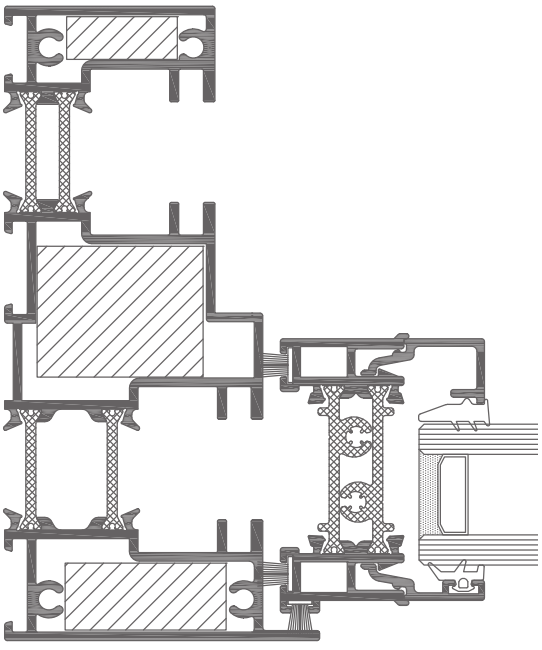
technical specification

system	material	max width	max. height	max. weight	glazing range	type of windows
VS 600	aluminium / polyamide	1600 mm	2490 mm	31 kg (sash)	24 mm, 28 mm	vertical sliding windows

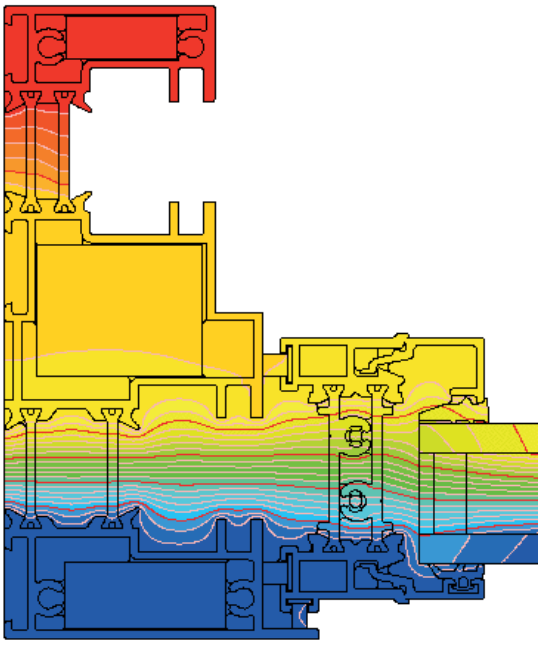
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
VS 600	Uf from 1.60 W/m²K	Class 3; EN 12207	Class A4; EN 12210	Class 7A (300 Pa); EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



vertical cross-section of the VS600 window (VS012 + VS024)



example isotherm arrangement for the frame and window sash assembly of the VS600 system (VS012 + VS024)

panel doors

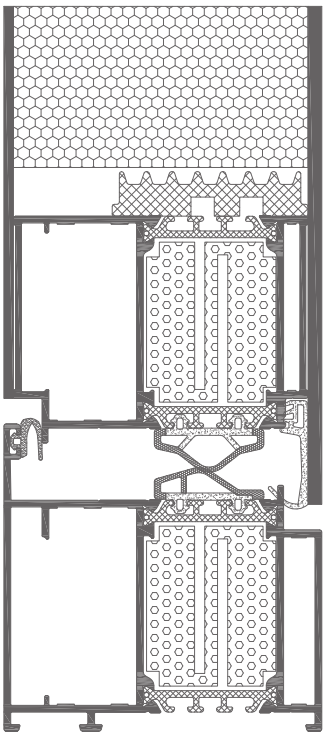
Genesis **75**
Panel Door

system characteristic

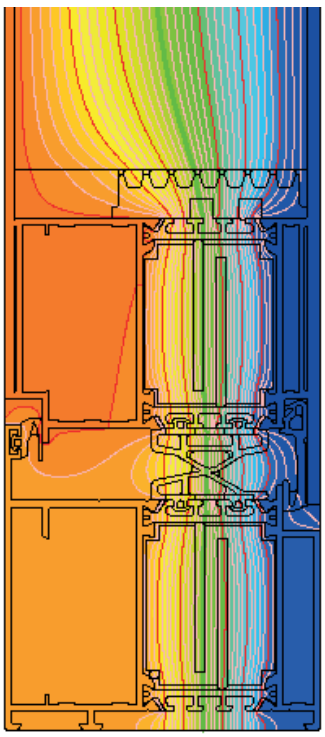
_ thermally insulated aluminium system used to design panel doors
_ possible designs: single and double doors, outswing and inswing type, also with lights
_ the Genesis 75 panel door system is based on and compatible with the Genesis 75 door system
_ the system features very good thermal insulation (with the use of the central gasket for the door, new innovative sealing solutions)
_ possibility of using aesthetic roller door and concealed hinges possible single-sided and double-sided panel
_ available on with aluminium and drop-down threshold (threshold raised/lowered automatically)
_ the Genesis 75 panel door leaf is adapted to the most popular double-sided bonded panel
_ tested anti-burglary class RC3
_ the system features a wide range of filling panels, available in a variety of designs and colours; it is possible to use various shape milling cutters and decorative applications during the production – this allows the joinery to be customised to the individual style of the building
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

technical specification

system	material	depth of frame	depth of leaf	infill thickness	door type
PD GN 75	aluminium / polyamide	75 mm	75 mm	40-66 mm single-sided panel / 75 mm double-sided panel	single of the outswing, inswing type



cross-section of the frame and sash, double-sided panel, PD GN 75 (GN414 + GN1627)



example isotherm arrangement for the assembly of the frame and door sash of the PD GN 75 door system (GN414 + GN1627)

panel doors

Superial **800 i+**
Panel Door

system characteristic

_ thermally insulated aluminium system used to design single-leaf panel doors
_ the SP 800 i+ panel door system is a solution based on the SP 800 i+ door system, it features very good thermal insulation and new sealing solutions
_ the leaf is adapted to the most popular double-sided bonded panel
_ the system is compatible with the Superial door system
_ the system features a wide range of filling panels, available in a variety of designs and colours; it is possible to use various shape milling cutters and decorative applications during the production – this allows the joinery to be customised to the individual style of the building
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

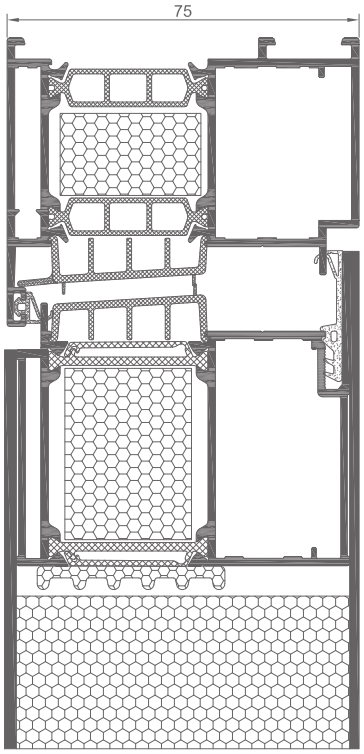
technical specification

system	material	depth of frame	depth of leaf	infill thickness	door type
PD SP 800 i+	aluminium / polyamide	75 mm	75.5 mm	75 mm	single of the outswing, inswing type

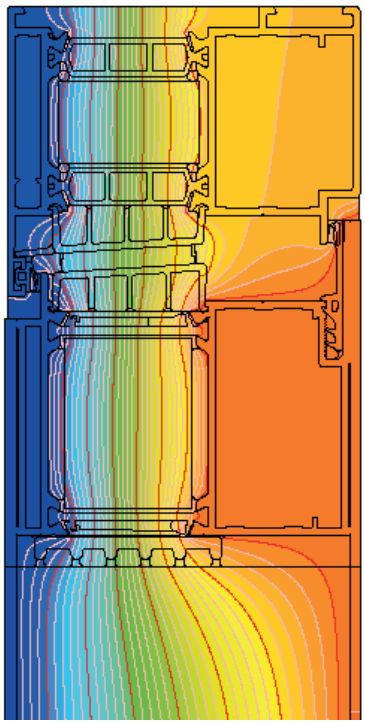
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
PD SP 800 i+	Ud from 1.60 W/m^{2}K	Class 4; EN 12207	Class C5 (2000 Pa); EN 12210	Class 8A (450 Pa); EN 12208

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



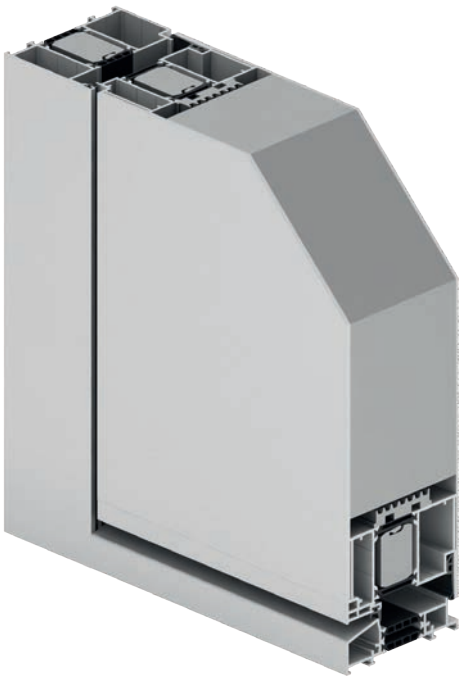
cross-section of the PD SP 800i+ panel door with a double-sided panel (SP815 + SP1826)



example isotherm arrangement for the PD SP 800 i+ system (SP815 + SP1826)

panel doors

Star
Panel Door



system characteristic

_ thermally insulated aluminium system used to design panel doors
_ the supporting structure of the panel door system is the Star system, the door has excellent thermal insulation; this has a real impact on both the comfort inside the building and the costs of its use
_ two different types of hinges can be used: roller hinge dedicated to the Star system and concealed hinge (Dr. Hahn)
_ 3-point standard and self-bolting locks – to be selected individually
_ handles, grips from the inside to be chosen from the standard Aliplast offer
_ the system features a wide range of filling panels available in a variety of designs and colours; the elegant design of the structure, available dimensions and the possibility of using the door in a larger display structure give a lot of freedom in the arrangement of the entrance to the building
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

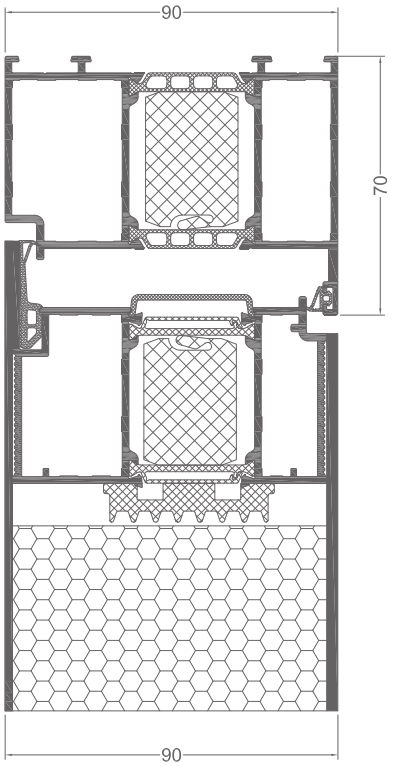
technical specification

system	material	depth of frame	depth of leaf	infill thickness	door type
PD	aluminium / polyamide	90 mm	90 mm	single-sided panel 22 to 83 mm / double-sided panel 90 mm	single, outswing, inswing

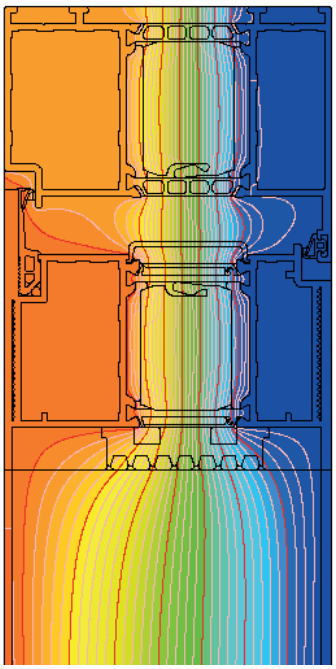
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
PD	Ud from 0.73 W/m²K	Class 4; EN 12207	Class E2400; EN 12210	Class 7A (300 Pa); EN 12208

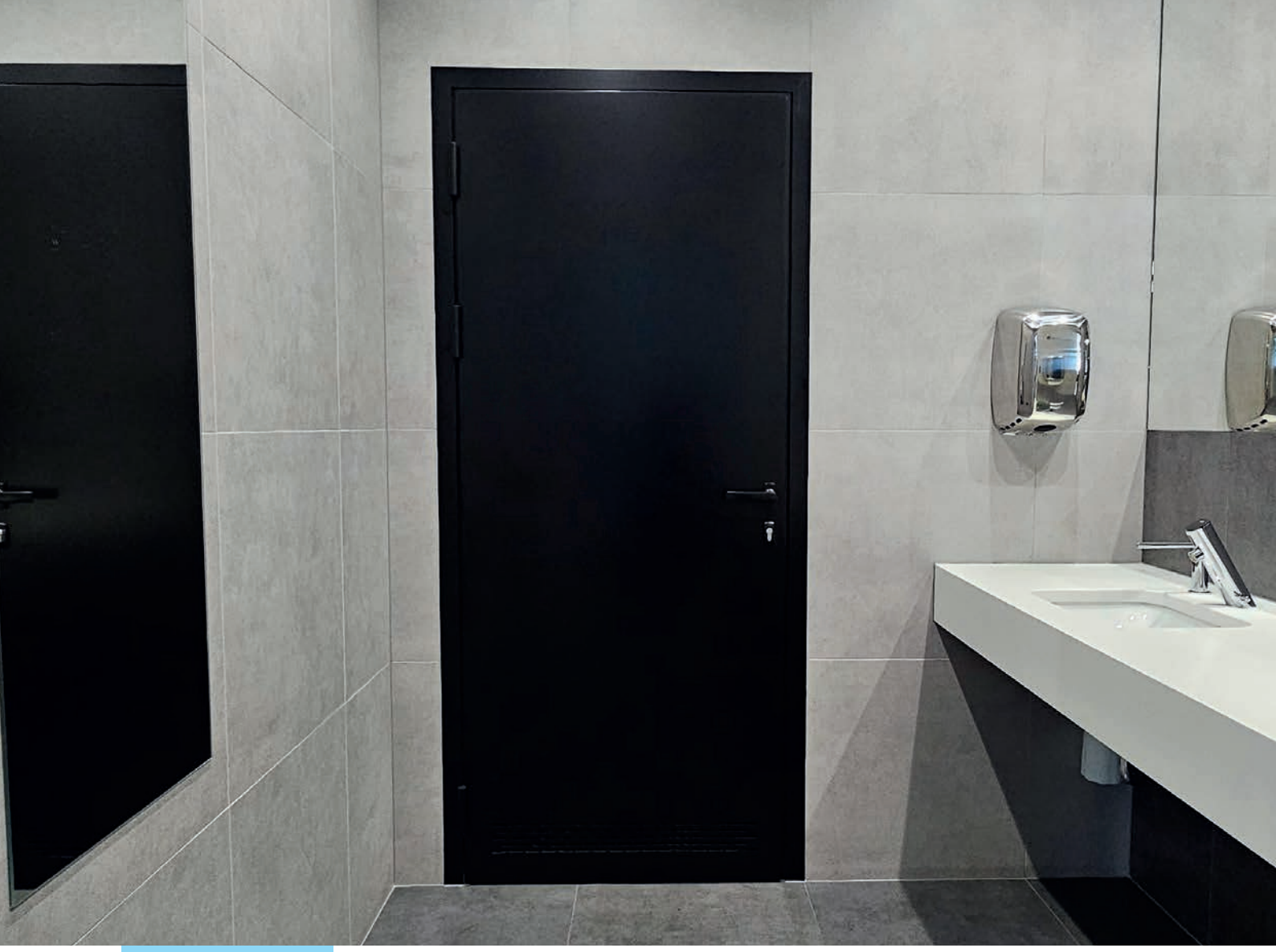
* Thermal insulation is dependent on a combination of profiles and thickness of the filling



cross-section of the frame and sash in the Star Panel Door system, double-sided panel, outswing type (GT415 + GT1626)



example isotherm arrangement for the frame and door sash assembly of the Star Panel Door system (GT415 + GT1626)



panel doors

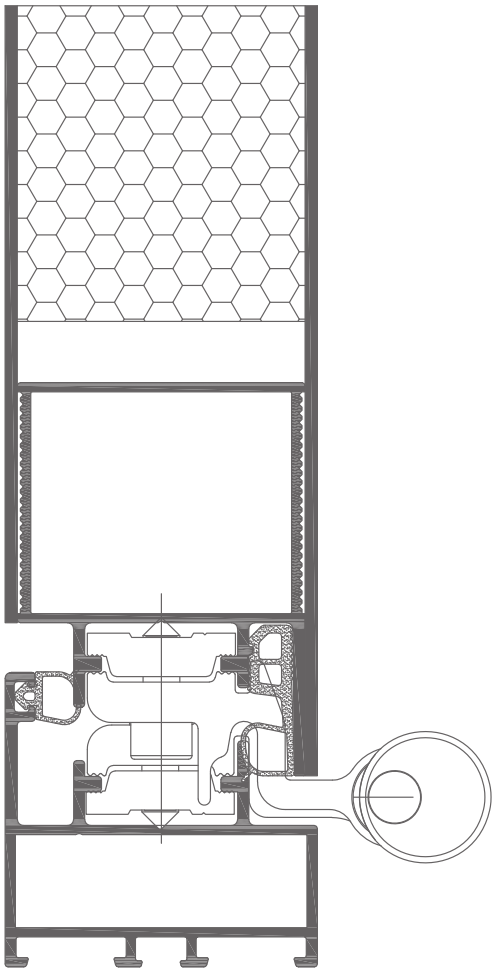
Econoline
Panel Door

system characteristic

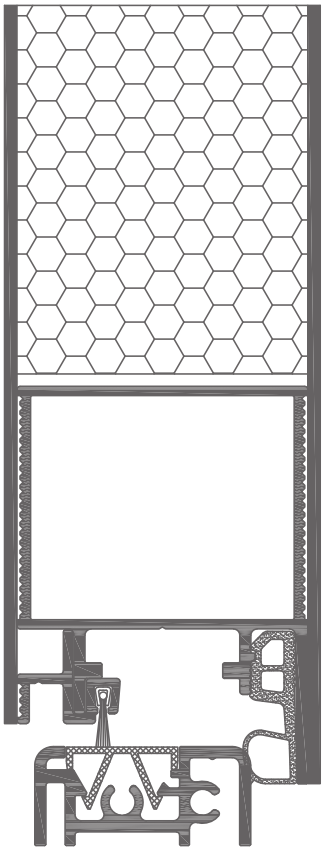
_ aluminium system without thermal insulation used to design panel doors
_ the supporting structure of the panel door system is the Econoline system
_ the panel system is intended for the design of internal structures (doors) in residential buildings, public buildings
_ flush plane of the frame and panel glued to the sash (panel glued on the outside or on both sides)
_ the system features a wide range of filling panels, available in a variety of designs and colours
_ a wide selection of hardware available on the market
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

technical specification

system	material	depth of frame	depth of leaf	infill thickness	door type	acoustics
EL PD	aluminium	51 mm	51 mm	51 mm	turn-only	32 (0,-2) dB



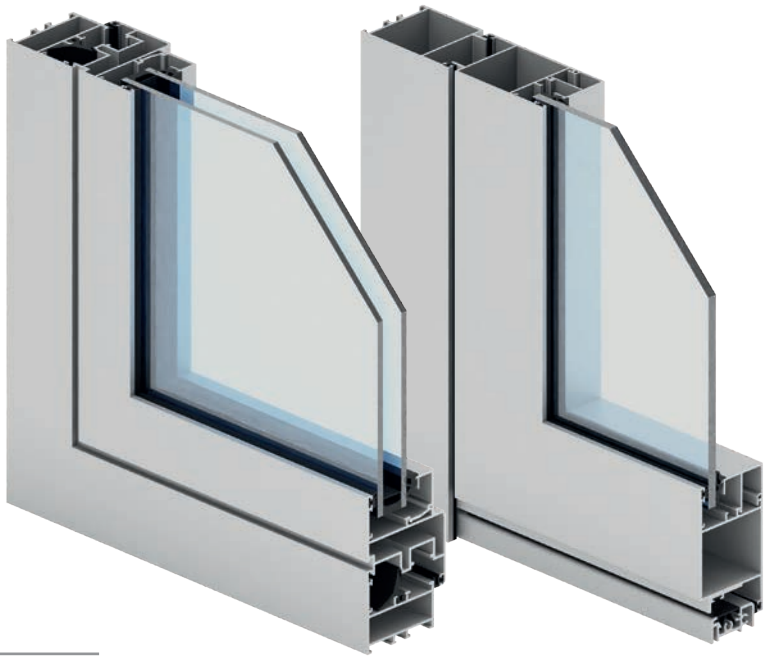
cross-section of the EL PD panel door on the hinge side
(EL1624 + EL215)



cross-section of the threshold in the Econoline Panel Door system
(EL091 + EL1624)

window and door systems without thermal insulation

Econoline

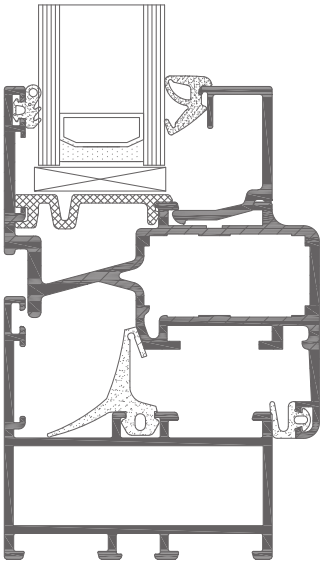


system characteristic

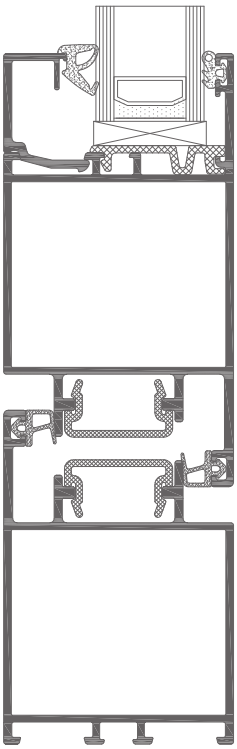
_ window and door system without thermal insulation
_ system intended for the construction of components of internal and external architectural development that do not require thermal insulation: windows, doors and partition wall segments intended for general use in public and industrial buildings (in office rooms)
_ system compatible with other Aliplast systems: common glazing beads, gaskets, corners and hardware
_ glazing beads available in the following options: rectangular and rounded
_ the design of the system allows the use of groove hinges, more economical and easier to install on the basis of the Econoline system, it is possible to design panel doors (Econoline Panel Door)
_ the door of the Econoline system with the smoke-tightness function meets the criteria of smoke-tightness classes and smoke-tight doors Sa, Sm (in accordance with PN-EN 13501-2+A1:2010)
_ it is possible to construct sliding, swinging doors, join walls at any angle and reinforce already made or even installed components
_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

technical specification

system	material	depth of frame	depth of leaf	glazing range	type of windows	door type	acoustics
EL window	aluminium	51 mm	60 mm	up to 37 mm	turn-only, turn-and-tilt	—	37 (-2,-6) dB
EL door	aluminium	51 mm	51 mm	up to 37 mm	—	turn-only	38 (-1,-3) dB



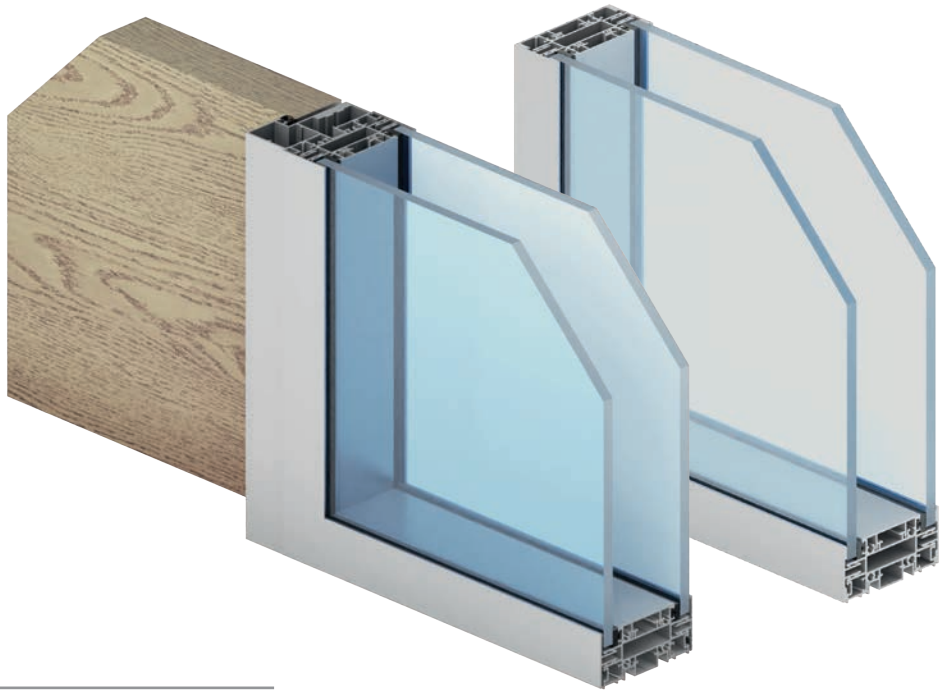
cross-section of the Econoline window (EL010 + VL820)



cross-section of the Econoline door (EL214 + EL225)

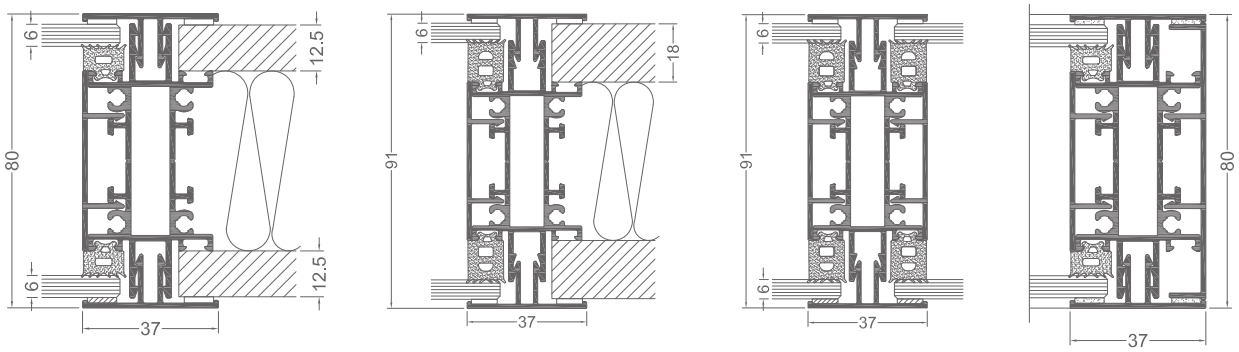
systems without thermal insulation

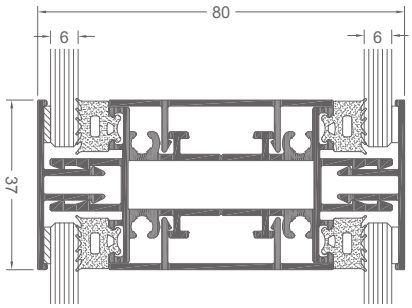
Office

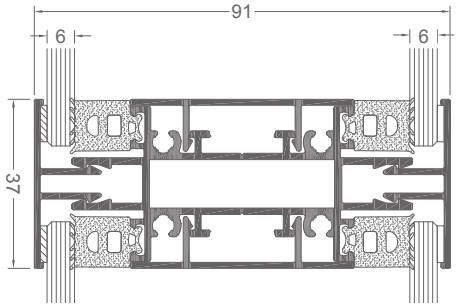


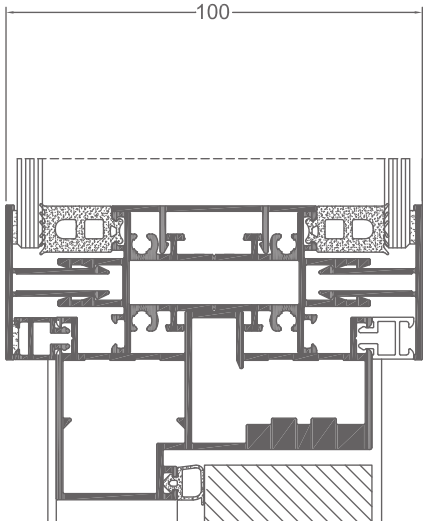
system characteristic

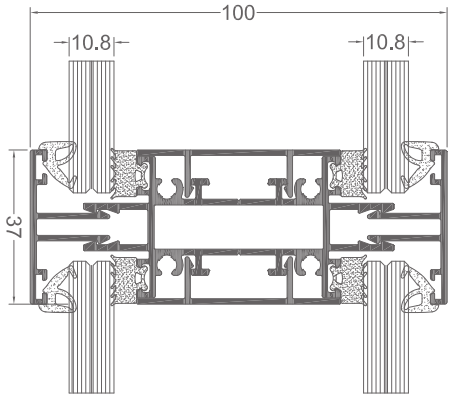
_ chamber system without thermal insulation used to design internal partition walls
_ it is possible to use a variety of fillings: glass, plasterboard, laminated furniture board
_ possible thicknesses of fillings:
  – glass: 4 mm to 13.8 mm
  – laminated furniture board: 18 mm
  – plasterboard: 12.5 mm
_ the design of the system provides space for the routing of electrical wires and the installation of all kinds of switches and sockets
_ the Office system features high acoustic parameters Rw up to 42 dB
_ it is possible to apply
  – doors of the Econoline system: both 1- and 2-leaf with the use of a dedicated profile
  – all-glass doors with hardware from reputable manufacturers
  – non-rebated wooden doors with concealed hinges
_ the design of the system provides for the possibility of using inter-pane slats
_ it is possible to join in panel/wooden, composite doors
_ the system features very simple and fast prefabrication by minimising time-consuming and expensive processing
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour











systems without thermal insulation

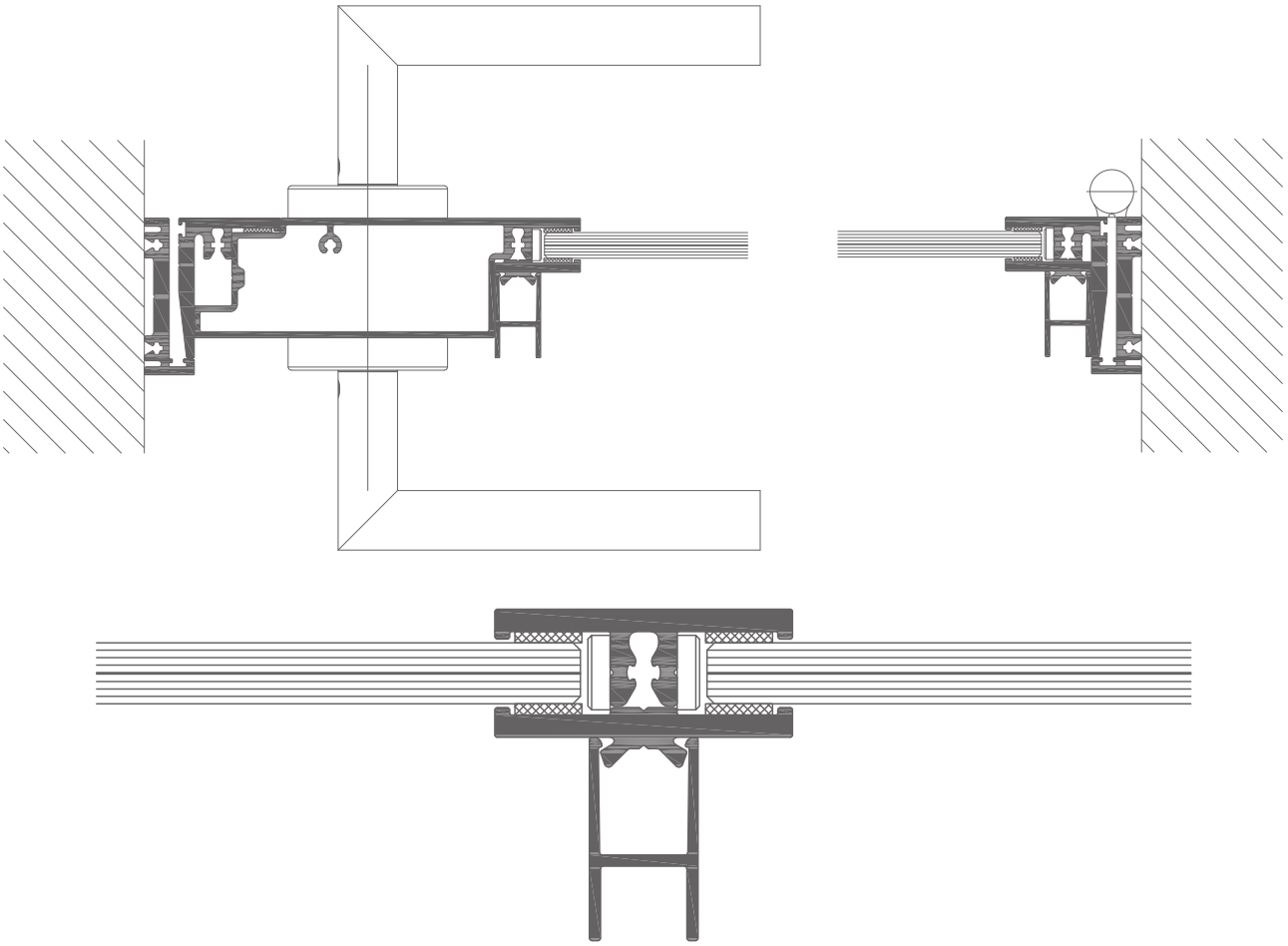
Ideal

system characteristic

_ industrial-style internal aluminium installation system without thermal insulation
_ Ideal is a door and internal wall system available in many options:
  – single door
  – double door
  – pivot door
  – it is possible to install permanent glazing around the Ideal doors with top and/or side light; depending on the demand and the style of the interior, a permanent wall solution is also available, with or without astragal bars
_ the IDEAL system is based on a 33 mm thin profile allowing the creation of structures that fit into modern loft design
_ the IDEAL glazing system is an alternative to the classic partition walls that separate rooms
_ both the doors and walls of the Ideal system can have different dividing patterns, enabling them to be perfectly tailored to the interior design. The Ideal system is characterised by versatility and functionality
_ in order to maintain structural uniformity, the Ideal system has specially designed grips and matching handles and escutcheons; available types:
  – handle
  – grips
  – escutcheon (cylinder lock / key lock / bolt lock)
_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

technical specification

system	material	visible width	visible width of the door light	glazing	maximum width of the structure	hinges
ID	aluminium / polyamide	starting from 33 mm	40 mm	8-10-12 mm	2000 cm	visible or concealed (adjustable)



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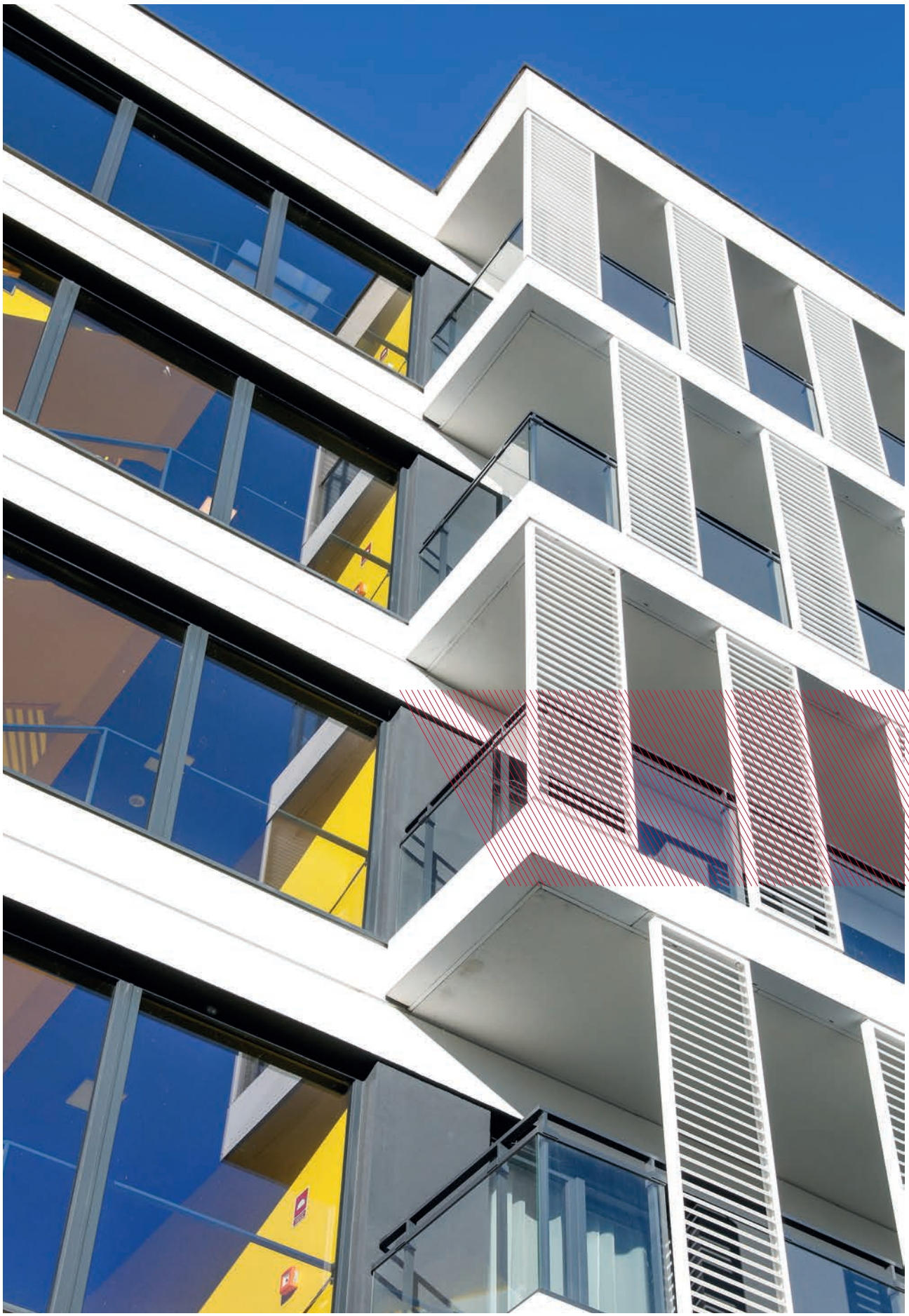

aliplast
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