



COMPANY PRESENTATION | PRODUCT PORTFOLIO

WORLD OF INNOVATION



PARTNERSHIP

PROGRES

COMP

IN

INNOVATIONS

SS

INDUSTRY LEADER

COMPATIBILITY

WIDEST PRODUCT RANGE

PARTNERSHIP

PRODUCTS WITH BEST PRICE/QUALITY RATIO

INNOVATIONS

MOST INNOVATIVE COMPANY

QUALITY

COMPATIBILITY



aluplast

U-PVC window systems market leader

POLISH DIVISION OF ALUPLAST WAS ESTABLISHED IN 1995 IN POZNAŃ. IN THE BEGINNING OF ITS ACTIVITY, THE COMPANY WAS EMPLOYING 8 PEOPLE AND BY THE END OF THE FIRST YEAR IT ACHIEVED THE TURNOVER OF 4 MIO PLN. TODAY, AFTER 25 YEARS OF ACTIVITY, ALUPLAST IS THE BIGGEST SUPPLIER OF U-PVC WINDOW AND DOOR SYSTEMS IN POLAND.

MODERN
PRODUCTION
PLANT
ON THE AREA OF
60 000 M²

60 000
TONS OF U-PVC
PROCESSED
EVERY YEAR

OVER
300
COOPERATING
FABRICATORS

APPROXIMATELY
140
MILLION EUR
TURNOVER

550
EMPLOYEES
IN POLAND

The company employs approx. 550 people and runs a modern production plant (over 60 000 sqm area), with the annual turnover reaching 140 million EUR.

Over 300 joinery fabricators manufactures U-PVC windows and doors based on aluplast systems. Wide product range and its innovativeness are the reasons due to which aluplast has achieved leading position in the industry in Poland.

Virtually every year, new products are launched by aluplast in the market, giving the cooperating window companies a possibility to become even more competitive.

aluplast actively participates in the life of the joinery industry: it is a co-founder and active member of the POLISH WINDOWS AND DOORS fabricators, dealers and suppliers association, and for over five years aluplast has been the editor of the professional industry magazine Profiokno (www.profiokno.pl) devoted to U-PVC door and window industry.

For years, our activity and product offer have been highly recognized among both professionals and individual customers. The best evidence of that recognition are the numerous prestigious awards received by aluplast and its products, such as: Golden Medal of the International Poznan Fair, Construction Industry Brand of the Year, Herculee of Construction Industry, Top Builder, Construction

Joinery Market Leader. In the industry market poll, run by the Industry Analysis Centre (Centrum Analiz Branżowych) for seven years in a row, aluplast has scored the highest rank in the categories: widest product range, offer with best price/quality ratio and the most innovative company.





Our philosophy

Our formula for success

INNOVATION

Innovations and development are the key values of aluplast philosophy. We strive to make our products stand for high quality, latest technologies and perfect solutions. Technological leadership is closely connected with our focus on customers and their needs, which are often a motivation to improve our products.

COMPATIBILITY

Compatibility is the basis of our product development policy. Designing of open systems, that can be mutually combined, allows for their constant extension and gives freedom to choose the solutions best suited to the needs of the market. Thus, by developing the existing systems, we constantly set the new standards.



THROUGH A WELL-THOUGHT-OUT COMPANY POLICY WE CREATE FOUNDATIONS OF THE EFFECTIVE PROGRESS FOR US AND OUR COOPERATIVES. WE'RE DEEPLY CONVINCED, THAT THIS PHILOSOPHY, WHICH HAS LED US SO FAR, IS THE GUARANTEE OF OUR JOINT ACHIEVEMENTS IN THE FUTURE.

TECHNOLOGICAL LEADERSHIP

aluplast goal is not only to develop the offered products, but also to seek for the solutions that optimize the production processes.

Our business approach means also proecological organization of production, thanks to which we protect our environment.

FLEXIBILITY

Our greatest strength is above all our flexibility. Short communication channels and lean structures allow us to respond rapidly and dynamically to customer demands and market requirements.

PARTNERSHIP

The key to success is the constant, intensive contact between us and the clients. Only such approach allows to gain a synergetic effect of our joint actions.



Technologies

Advantage through innovation

INTELLIGENT SYSTEM SOLUTIONS ARE BECOMING A REALITY. LIGHTWEIGHT STRUCTURAL ELEMENTS, WITHOUT STEEL REINFORCEMENTS INSIDE THE PROFILES, SIGNIFICANTLY LIMITING ENERGY LOSSES IN BUILDINGS, ARE THE NEW ARGUMENTS AND BENEFITS THAT ALUPLAST® OFFERS TO WINDOW MANUFACTURERS.

OBSERVING MARKET TRENDS, WHERE, ON THE ONE HAND, ONE IS STILL TRYING TO IMPROVE THE THERMAL PROPERTIES OF WINDOWS, AND ON THE OTHER HAND, IT IS EXPECTED TO CREATE MORE AND MORE STABLE AND COMFORTABLE IN USE STRUCTURES, ONE CAN COME TO THE CONCLUSION THAT THE FUTURE SHOULD BELONG TO THE TECHNOLOGY OF BONDING GLAZING UNITS WITH PROFILES. SURELY THE LATEST SYSTEM SOLUTION FROM ALUPLAST - MULTIFALZ, CAN CONTRIBUTE TO THE POPULARISATION OF THE BONDING TECHNOLOGY.

Multifalz

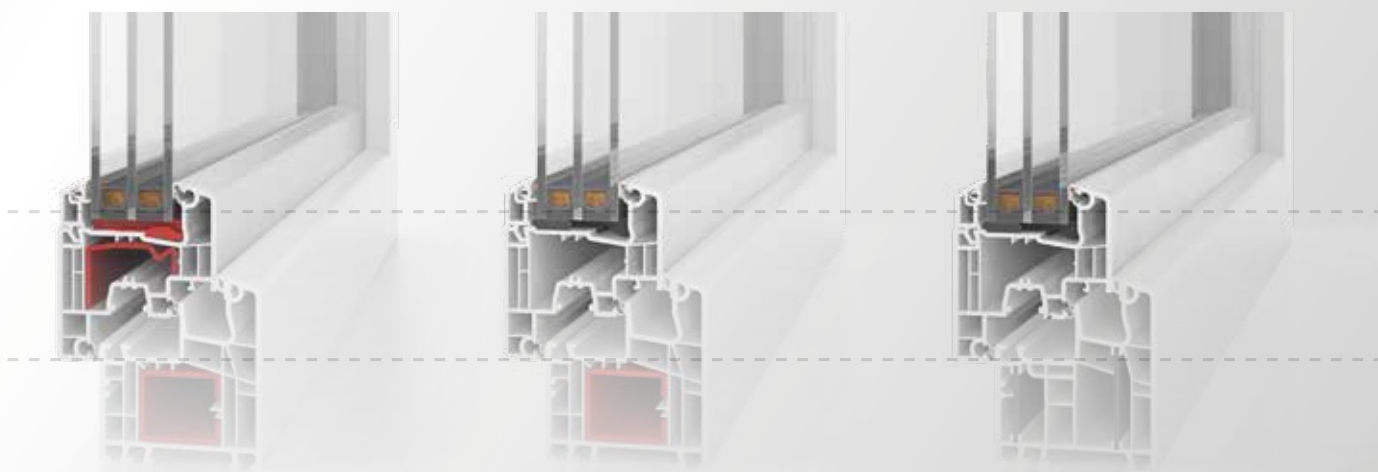
The future of series production

The aluplast Multifalz technology is a system solution consisting in the construction of multifunctional U-PVC profiles, which can be used both in conventional glazing process with the use of glazing blocks and with bonding technology, when gluing glass units in the rebate. This makes it easier for manufacturers to meet the diverse needs of customers, while limiting the number of assortment items in the warehouse.

These technologies can be used alternately or combined depending on the needs, for instance, it is possible to improve the thermal properties of the struc-

ture, eliminate steel reinforcements and gluing glass units, or apply by larger windows both steel reinforcements and bonding inside technology.

Depending on your needs and the investor's requirements, you can offer your customers a number of additional benefits related to the technology of the gluing the glass unit based on one sash profile. And the range of additional benefits, apart from improving the thermal insulation, is also quite large.



WITH GLAZING BLOCKS

GLUED

ENERGETO



Bonding inside

A strong bond

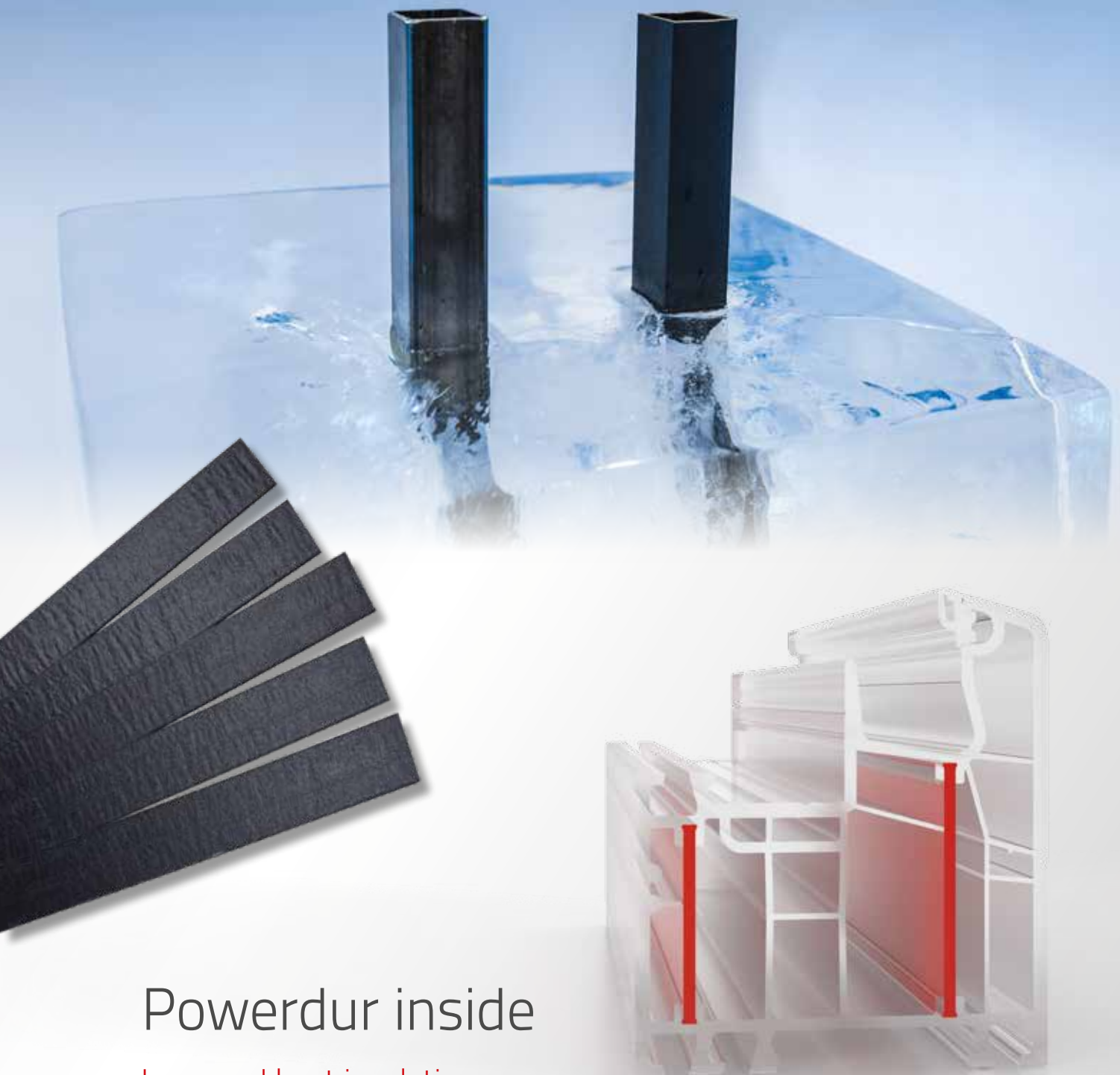
WITH GLASS BONDING, ALUPLAST, AS SO OFTEN IN THE PAST, HAS SET A TREND IN THE INDUSTRY.

The idea of „bonding inside“ technology is based on a change in the construction principle, which consists in making the glass unit a static structural element in the window.

The adhesive is applied over the entire periphery of the glass unit placed adjoining in the sash rebate, permanently combines them together and ensures, that at all times the glass unit finds the right support, which is not only a beneficial phenomenon for compensating the stress arising in the glass units, but also for stabilizing and ma-

intaining within acceptable limits the profile's susceptibility to deformation under the influence of forces arising as a result of external atmospheric phenomena and operational loads.

Thanks to the fixed connection of the glass unit and the sash profiles, the risk of bending and sagging of the profiles is reduced, thus extending the operating timespan of the sashes without the need to adjust them.



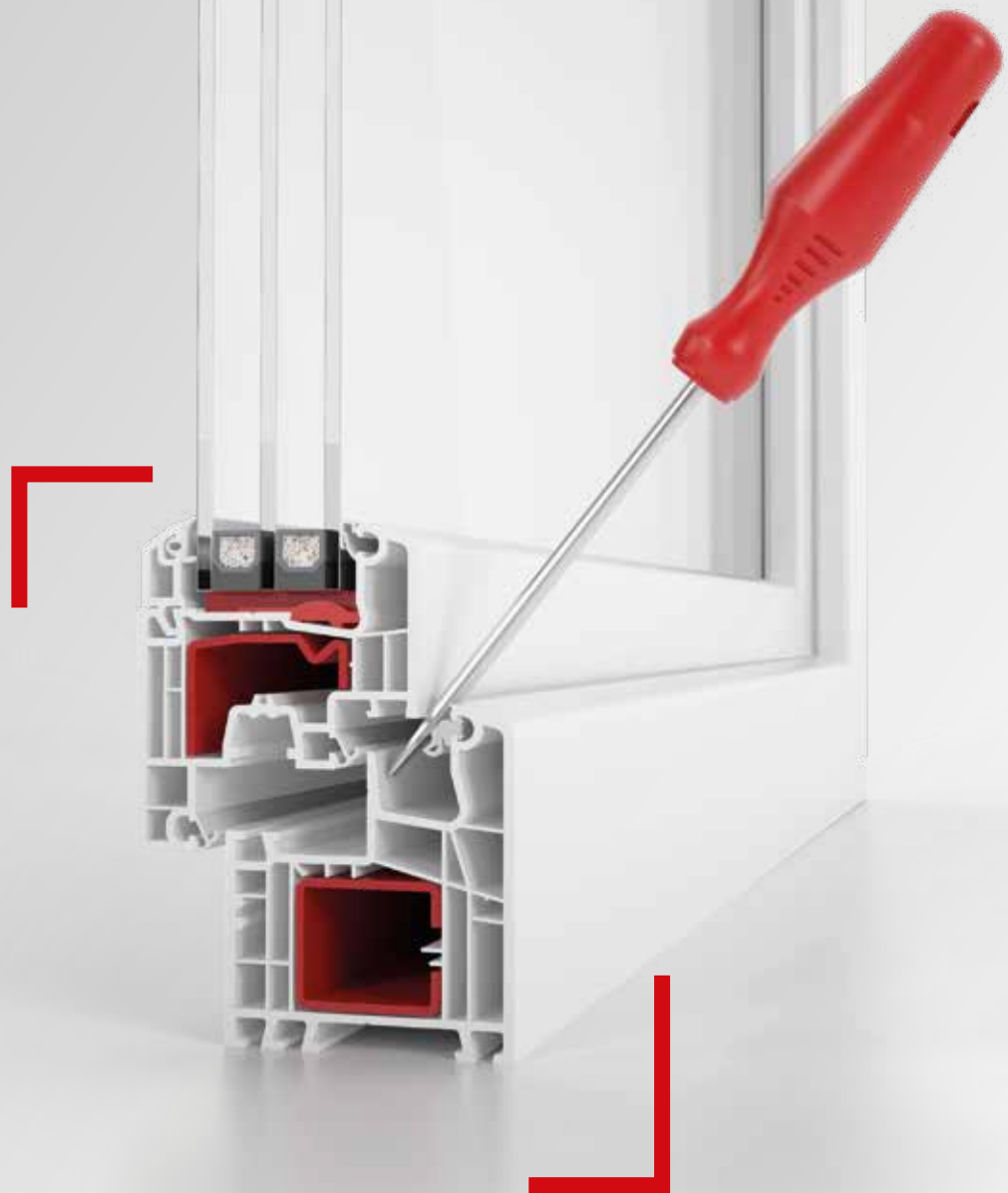
Powerdur inside

Improved heat insulation

The metal reinforcement in the profiles of the window frames creates a thermal bridge, due to its high thermal conductivity. In the energeto profiles, the fiberglass-reinforced Ultradur® High Speed composite reinforcements developed in cooperation with BASF, replace steel used in conventional U-PVC window frames and provide much better thermal insulation properties with the same mechanical properties of the window. Windows with „powerdur inside“ reinforced profiles can be made

in the same dimensions as steel reinforcement profiles.

The use of powerdur allows to obtain a clear improvement in the thermal properties of profiles, which is largely related to the thermal conductivity of Ultradur High Speed, which is **50 times lower than the conductivity of steel.**



Safetec inside

A smart way to thwart attempted break-ins

BURGLAR PROTECTION MUST BE CONSIDERED WHEN BUYING WINDOWS -IN MOST CASES, THE PERPETRATORS GET INTO THE HOUSE OR APARTMENT THROUGH THE WINDOW.

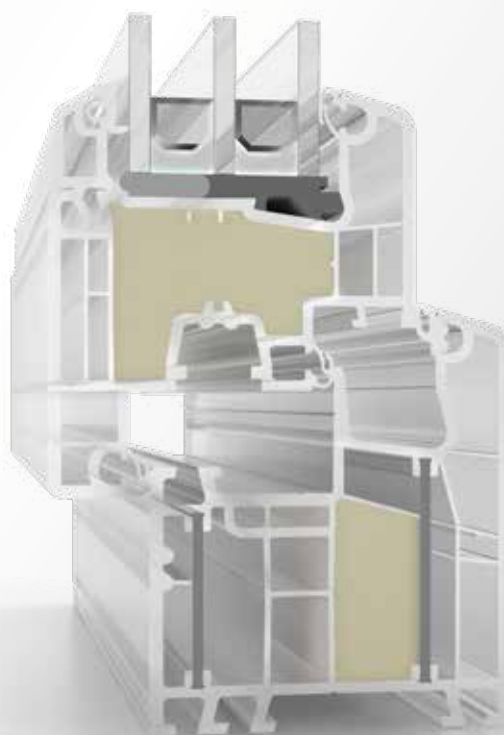
Burglars rob all valuable items and flee from the crime scene as soon as possible. That is why every minute, in which the window resists the break-in attempt, makes a difference. It has been proven that if the perpetrators do not get inside within a few minutes, they usually give up the break-in attempt.

The aluplast middle seal systems are some of the few systems on the market with so-called „classic middle seal solution“.

The fixed interior profile web for the third gasket all around the window frame improves thermal insulation and prevents the sash from being forced open easily.



DARMSTADT PASSIVE HOUSE INSTITUTE
HAS ISSUED A CERTIFICATE FOR
ENERGETO® 8000 FOAM INSIDE
SYSTEM-BASED WINDOWS,
RECOMMENDING THEM AS **PERFECT
SOLUTION FOR PASSIVE BUILDINGS.**



Foam inside

Window technology at its best

THE INNOVATIVE TECHNOLOGY FOAM INSIDE ALLOWS FOR SENSATIONAL INSULATION VALUES.

The profile chambers are filled with special polyurethane foam. The trick here: the material is injected into the frame after the welding process.

The foam has the special property to cover long stretches through the profile by itself. Due to the expanding foam, the hollow chambers of the window frame are filled completely, up to the corners. The exact filling capacity is calculated by a software program provided by aluplast.

Of course, the foam inside is also completely recyclable, because unlike other standard construction foam it does not bond to the remaining profile materials.

With chambers of the profiles filled with foam, it is possible to reduce the value of the thermal transfer coefficient of the profile down to $U_f=0,79 \text{ W/m}^2\text{K}$, allowing to achieve an excellent U_w factor of $0,61 \text{ W/m}^2\text{K}$.



energeto® series

energy-efficient windows

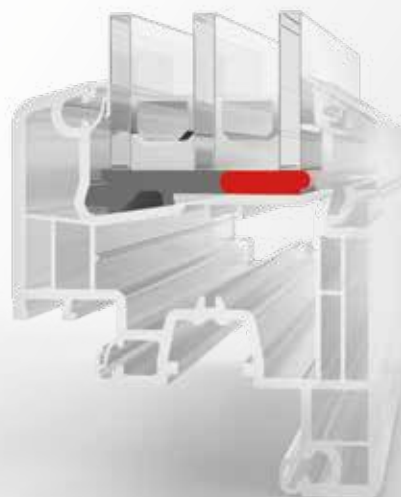
ENERGETO® PROFILE SERIES IS THE EXAMPLE OF THE USE AND CONNECTION OF ALL FACTORS NECESSARY TO OPTIMIZE PVC WINDOWS IN TERMS OF LIMITING HEAT LOSS WITHIN ONE TECHNOLOGY. THESE SYSTEMS ARE RECOMMENDED FOR MODERN ENERGY-EFFICIENT AND PASSIVE BUILDINGS.

POWERDUR + BONDING INSIDE = ENERGETO®

EXCELLENT THERMAL PARAMETERS ARE NO DOUBT THE MOST IMPORTANT AND ESSENTIAL FEATURES OF **ENERGETO® WINDOW SYSTEMS**, WHICH IS THE MOST DARING WINDOW CONCEPT OF THE DECADE, BASED ON THE THREE SIMULTANEOUSLY REALIZED GUIDELINES:

BONDING INSIDE

Use of combined glass panes technology and gluing the glazing units into the sash glazing rebate to achieve the excellent thermal and static parameters of the constructed windows.



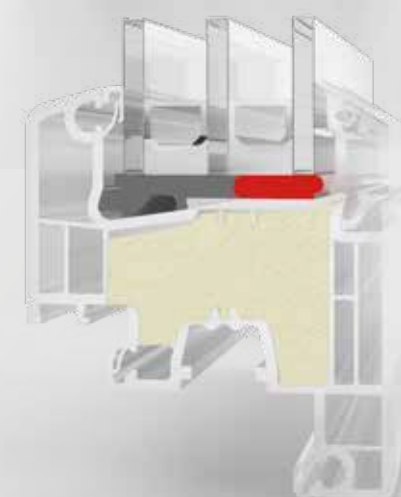
POWERDUR INSIDE

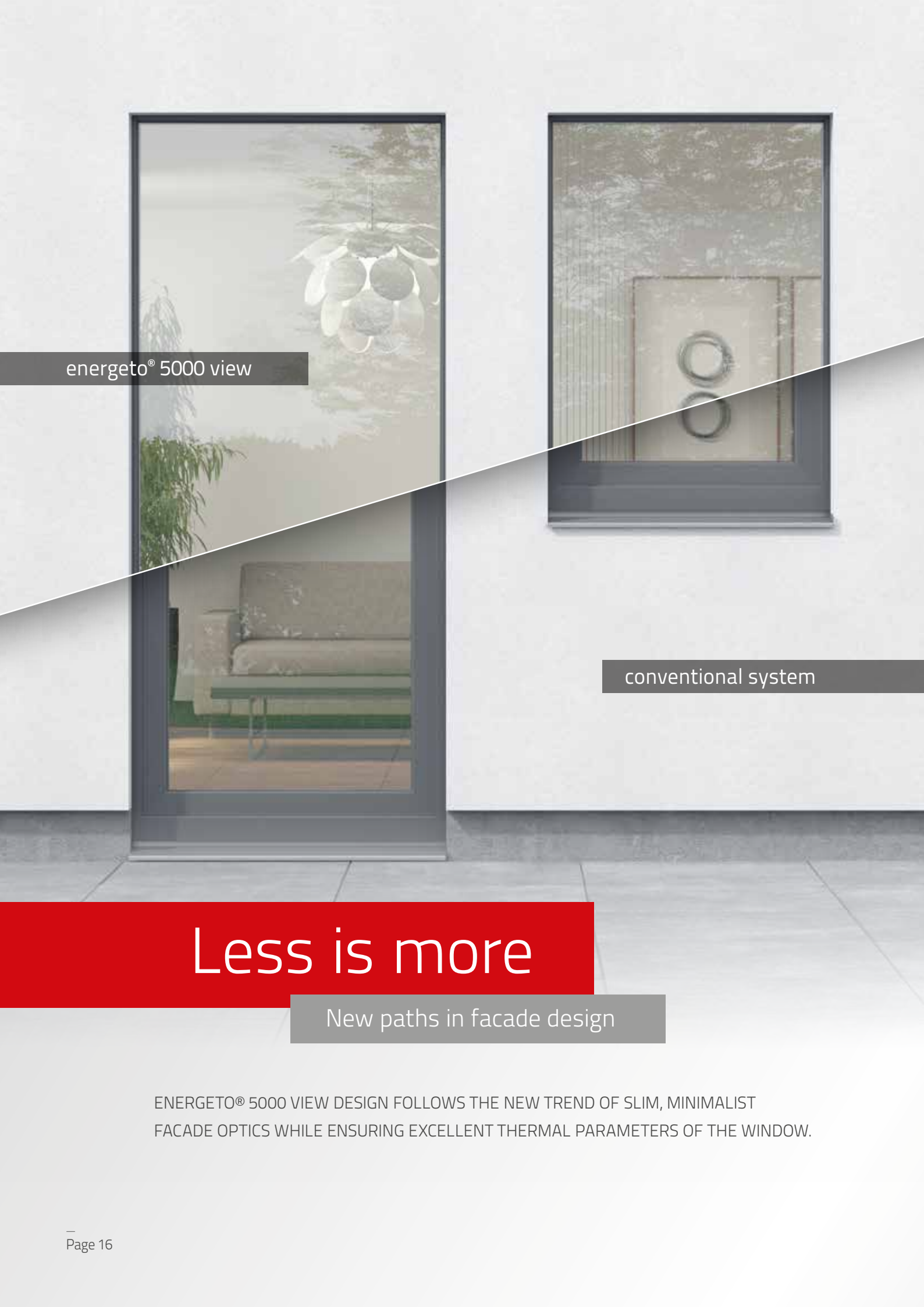
Total elimination of the steel reinforcements in the sash and frame and their substitution by the fiberglass-enriched „powerdur inside“ reinforcing plastic slats.



FOAM INSIDE

Further improvement of the thermal performance of the window by optional filling of the chosen internal profile chambers with polyurethane foam, after welding of the window construction.



The image shows a white wall with two window units. On the left is a tall, narrow 'energeto® 5000 view' window with a dark frame, showing a clear view of an interior with a sofa and a hanging plant. On the right is a smaller, wider 'conventional system' window with a similar dark frame, showing a view of a building facade with two circular windows. A diagonal white line separates the two systems. Labels for each system are in dark grey boxes. At the bottom, a red banner contains the text 'Less is more', and a grey box contains 'New paths in facade design'.

energeto® 5000 view

conventional system

Less is more

New paths in facade design

ENERGETO® 5000 VIEW DESIGN FOLLOWS THE NEW TREND OF SLIM, MINIMALIST FACADE OPTICS WHILE ENSURING EXCELLENT THERMAL PARAMETERS OF THE WINDOW.

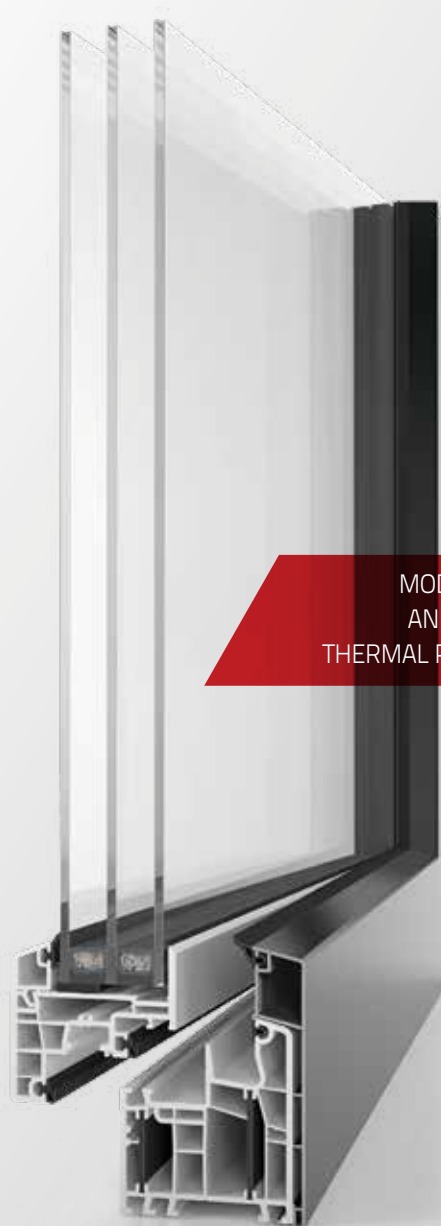
EXCEPTIONAL DESIGN

CONCEALED SASH

energeto® 5000 view

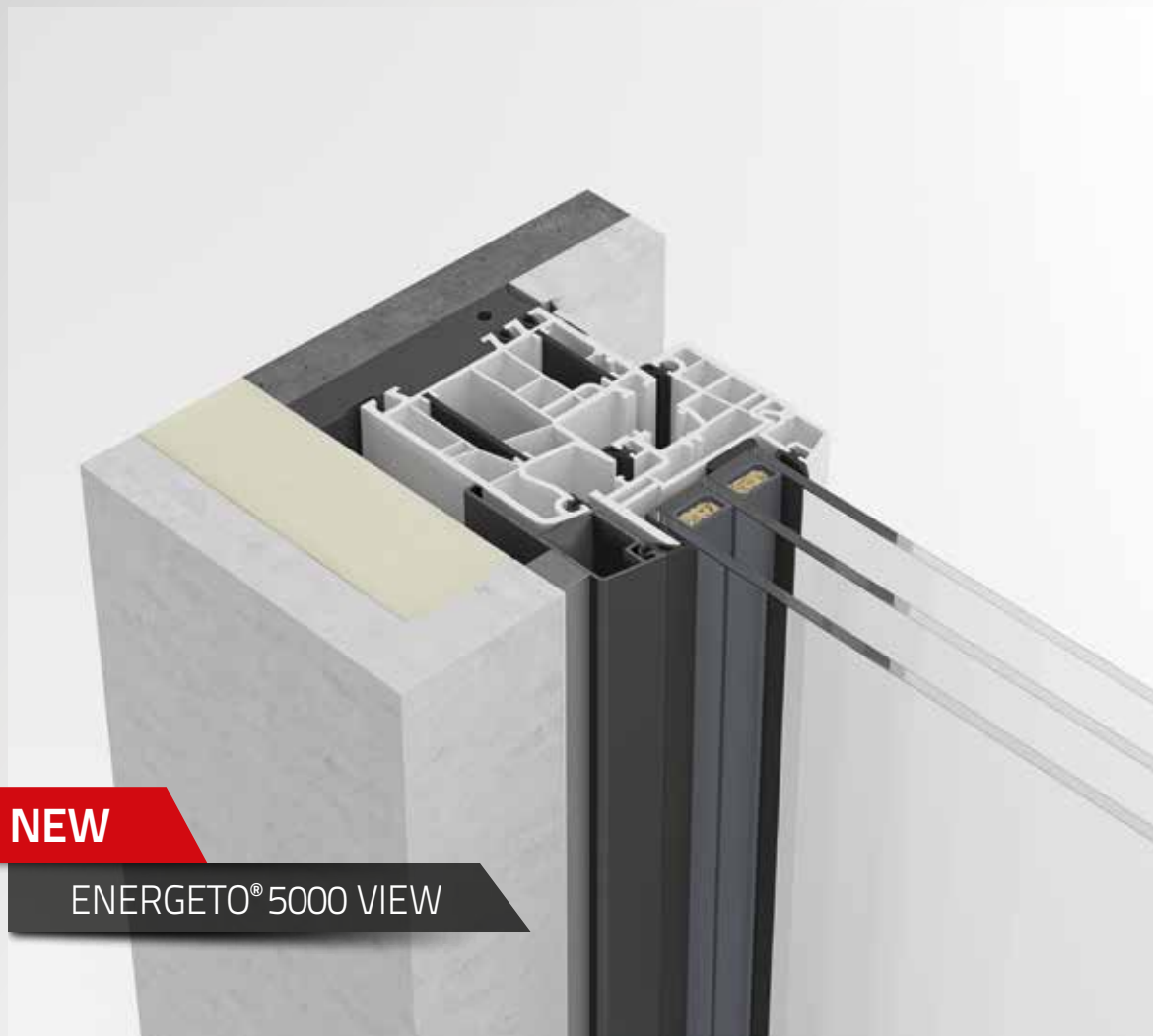
70mm profile depth

- Uf thermal transfer coefficient value: 1.0 W/m²K
- centre gasket system with three sealing levels
- glazing thickness of 49 mm
- innovative sash design
- extremely slim window optics from the outside
- tested burglar resistance class RC2
- concealed drainage is possible
- excellent sound insulation
- fine and classical profile design for light-flooded rooms
- available in numerous decor variations
- sophisticated optics thanks to the application of the aluskin® aluminium shells



MODERN DESIGN
AND EXCELLENT
THERMAL PARAMETERS

THE NEWEST ALUPLAST ENERGETO 5000 VIEW SYSTEM IS MAKING FURTHER HEADWAYS INTO STRONGLY STRUCTURED, SIMPLISTIC FACADE, WHERE THE LIMITED VISIBILITY OF STRUCTURAL ELEMENTS GIVES THE IMPRESSION OF FULLY GLAZED CONSTRUCTION.



A very subtle external window line, coupled with an narrow 109mm frame width, embraces customer needs of maximizing the glazed fraction of the window, increasing the amount of light into the room and energy from solar gain.

In line with the most up-to-date installation trends, the majority of the outerframe is hidden behind insulation and plaster, leaving only a small portion of the outer frame visible around the glazing,

further improving the thermal performance of the construction.

The increasingly popular “alu-look” is now easier than ever. As there is no alu cover required for the sash, covers for the outerframes, transoms and mullions are installed post production – allowing for much quicker and easier fabrication. All cover joins may be mitred or connected at 90°.



ENERGY-EFFICIENT WINDOWS

energeto® 5000

70mm profile depth

- Uf thermal transfer coefficient value: 1.0 W/m²K
- centre gasket system with three sealing levels for increased burglar resistance
- glazing thickness up to 41 mm
- design variety in the sash (classic-line recessed | soft-line semi-recessed)
- tested burglar resistance class RC2
- concealed drainage is possible
- fine and classical profile design for light-flooded rooms
- available in numerous decor variations and with aluskin® aluminium shells





ENERGY-EFFICIENT WINDOWS

energeto® 8000

85 mm profile depth

- Uf thermal transfer coefficient value: $0.94 \text{ W/m}^2\text{K}$
- centre gasket system with three sealing levels for increased burglar resistance
- glazing thickness up to 51 mm
- tested burglar resistance class RC2
- concealed drainage is possible
- fine and classical profile design for light-flooded rooms
- available in numerous decor variations and with aluskin® aluminium shells





Choice of the demanding ones

energeto® 8000 series

THE UNIQUE PARAMETERS OF THE ENERGETO 8000 SYSTEM HAVE BECOME THE REASON FOR WHICH THE WINDOWS MADE IN THIS SYSTEM HAVE BEEN USED IN THE MOST DEMANDING, CERTIFIED CONSTRUCTION PROJECTS IN POLAND, INCLUDING THE DEMONSTRATION PASSIVE HOUSE IN STAWIGUDA (PICTURED), ENERGY-PLUS HOUSE IN THE PASSIVE STANDARD IN LEGIONOWO AND THE FIRST IN POLAND PASSIVE MULTI-FAMILY RESIDENTIAL BUILDING, VILLA NOVA IN WARSAW.



IDEAL series

Freedom of creation

WE DON'T IMPOSE SOLUTIONS AND WE DON'T MAKE CHOICES FOR YOU. INSTEAD, WE LISTEN CAREFULLY AND GIVE YOU THE WIDEST PRODUCT RANGE POSSIBLE, SO YOU CAN PICK THE ONE THAT IS RIGHT FOR YOU. ALUPLAST MODERN WINDOW TECHNOLOGY MAKES YOUR CREATIVITY UNLIMITED.



TRUSTED STANDARD

IDEAL 2000®

60 mm profile depth

- U_f thermal transfer coefficient value for the standard frame-sash combination: 1.6 W/m²K
- backstop gasket system with two sealing levels
- glazing thickness up to 33 mm
- design variety in the sash (classic-line | round-line)
- tested burglar resistance class RC2
- concealed drainage is possible



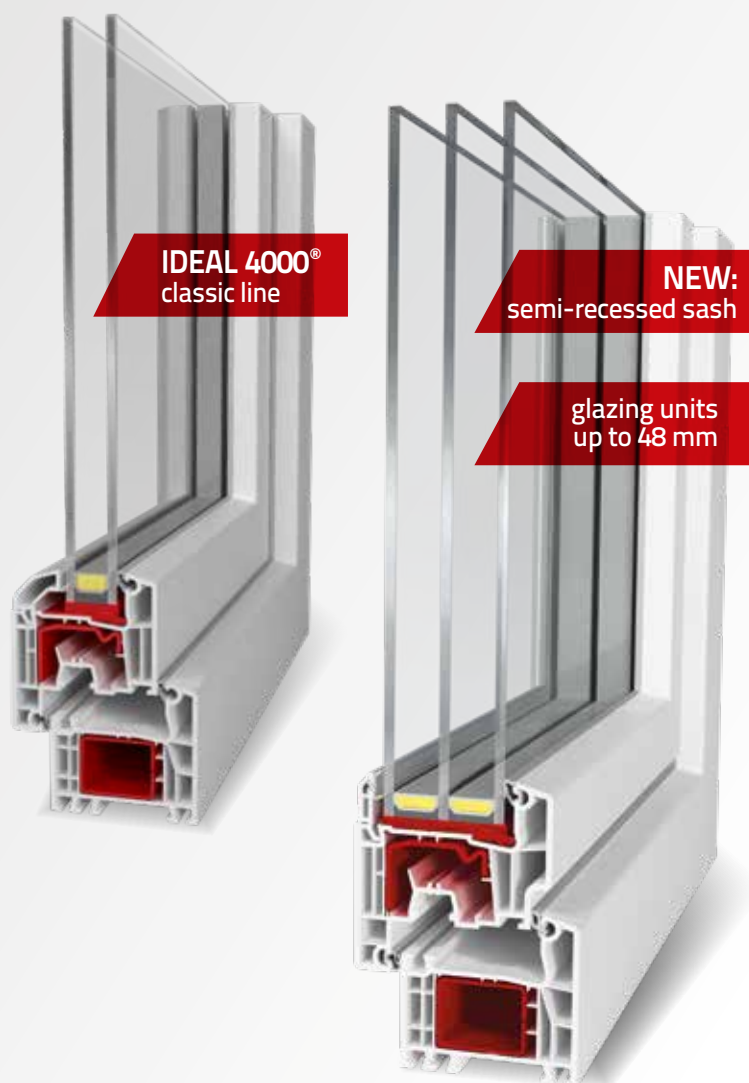


MORE LIGHT, MORE LIVING COMFORT

IDEAL 4000®

70 / 85 mm profile depth

- thermal insulation of the standard combination $U_f = 1.2 - 1.4 \text{ W/m}^2\text{K}$
- backstop gasket system with two sealing levels
- glazing thickness up to 48mm
- design variety in the sash (classic-line recessed | classic-line semi-recessed | round-line semi-recessed)
- tested burglar resistance class RC2
- concealed drainage is possible
- excellent sound insulation up to noise insulation class IV
- 5-6 chamber system as standard combination
- available in decor variations as well as with aluskin aluminum shells





BREAK-IN PROTECTION AND SAFETY

IDEAL 5000®

70mm profile depth

- U_f value = $1.2 \text{ W/m}^2\text{K}$
- centre gasket system with three sealing levels for increased burglar resistance
- glazing thickness up to 41 mm
- design variety in the sash (classic-line recessed | classic-line semi-recessed | soft-line semi-recessed | round-line semi-recessed)
- tested burglar resistance class RC2
- concealed drainage is possible
- excellent sound insulation up to noise insulation class IV
- available in decor variations as well as with aluskin aluminum shells



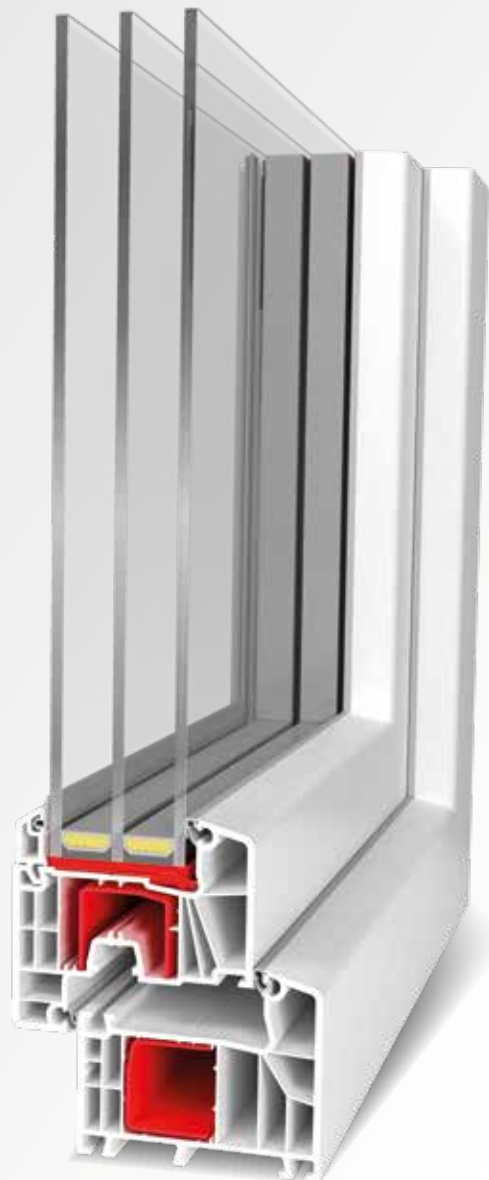


ATMOSPHERE AND COSINESS

IDEAL 7000®

85 mm profile depth

- U_f value = $1.1 \text{ W/m}^2\text{K}$
- backstop gasket system with two sealing levels
- glazing thickness up to 51 mm
- classical sash design (classic-line recessed)
- tested burglar resistance class RC2
- concealed drainage is possible
- excellent sound insulation up to noise insulation class IV
- available in numerous decor variations
- available with aluskin® aluminium shells





A NEW APPROACH TO ENERGY EFFICIENCY

IDEAL 7000® powerdur inside

85 mm profile depth

- U_f value = $1.0 \text{ W/m}^2\text{K}$
- backstop gasket system with two sealing levels
- glazing thickness up to 51 mm
- classical sash design (classic-line recessed)
- tested burglar resistance class RC2
- concealed drainage is possible
- excellent sound insulation up to noise insulation class IV
- available in numerous decor variations
- available with aluskin® aluminium shells





OPTIMAL THERMAL PARAMETERS

aluplast Intertec® 85

85 mm profile depth

- Seven chambers in the frame and six in the sash
- U_f value = $1.0 \text{ W/m}^2\text{K}$
- Glazing thickness up to 51 mm
- classical sash design (classic-line recessed)
- The new, two-chamber construction of the central insulation fin is characterized by high flexibility, thanks to which it reacts dynamically to the wind load that affects the sash. This solution ensures increased protection against wind, rain and better acoustic insulation
- Innovative sash construction allows traditional glazing as well as application of aluplast bonding inside technology
- Slim sash-frame combination featuring 115 mm width for even more light in the interior of the house
- Greater durability of the fittings, operating in the dry chamber, created by the middle insulating fin
- available in numerous decor variations





BEST THERMAL PARAMETERS
AND SOOTHING SILENCE

IDEAL 8000®

85 mm profile depth

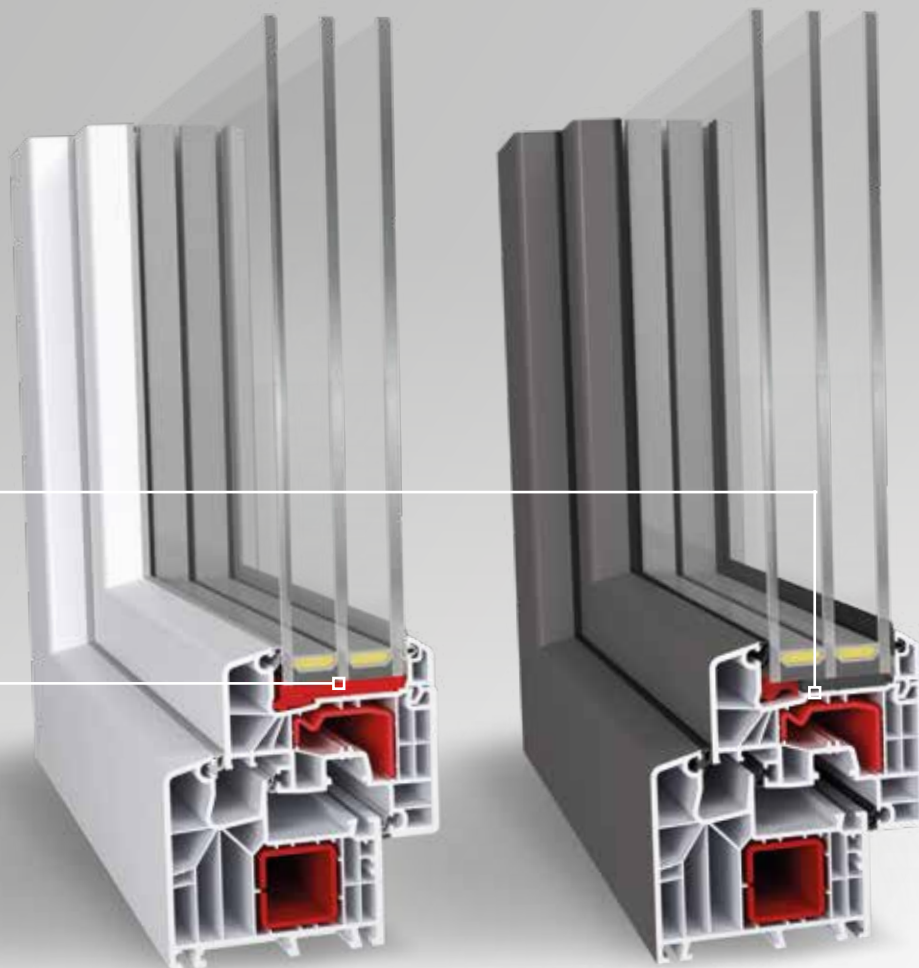
- U_f value up to 1.0 W/m²K possible
- centre gasket system with three sealing levels for increased burglar resistance
- glazing thickness in recessed sash up to 51 mm
- glazing thickness in semi-recessed sash up to 59 mm
- design variety in the sash (classic-line recessed | classic-line semi-recessed | round-line recessed)
- tested burglar resistance class RC2
- concealed drainage is possible
- excellent sound insulation up to noise insulation class IV
- available in numerous decor variations
- available with aluskin® aluminium shells



2in1
MULTIFALZ

Glazing with
bonding inside
technology

Standard glazing
with use of
glazing blocks



IDEAL 8000 IS A MULTIFUNCTIONAL SYSTEM THAT USES MULTIFALZ TECHNOLOGY, THAT IS AN OPTION OF APPLYING THE BONDING INSIDE TECHNOLOGY.

Multifalz = multifunctionality

Thanks to the new geometry of the glazing rebate, not only conventional glazing is possible but also glazing with use of bonding inside technology. These technologies can be used alternately or combined depending on the needs, for example it is possible to improve the thermal properties of the structure, eliminate steel reinforcements and gluing glass units, or apply by larger or coloured windows both steel reinforcements and bonding inside technology, which increases the stiffness of construction.



Exceptionally warm windows

The IDEAL 8000 system is a construction that guarantees above-average properties in the field of thermal insulation.

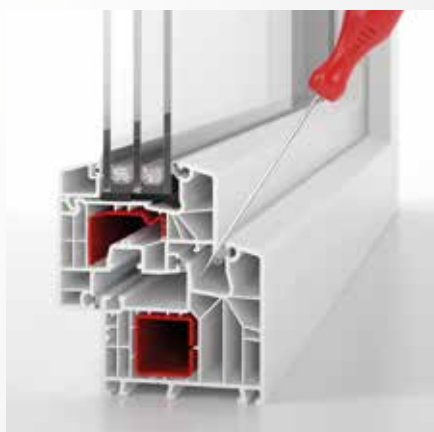
For example, a reference window with dimensions of 1230 x 1480 mm using a glazing unit with a coefficient of $U_g = 0.5 \text{ W/m}^2\text{K}$ achieves a thermal insulation coefficient of $U_w = 0.76 \text{ W/m}^2\text{K}$. Such window meets the requirements for windows dedicated for the so-called passive constructions.

AT HOME, WE WANT TO FEEL SAFE,
AND AT THE SAME TIME, AS REPORTED BY
POLICE STATISTICS, MOST BURGLARIES ARE
CARRIED OUT THROUGH WINDOWS
AND BALCONY DOORS. THAT IS WHY IT IS
SO IMPORTANT TO CHOOSE THE RIGHT
SOLUTIONS THAT WILL ALLOW US
TO BETTER SECURE OUR HOMES.



Bonding inside

An obligatory solution in the case of joinery with increased resistance to burglary is the protection of glazing units from being pushed into the interior of the house. Available in the IDEAL 8000 system, **the bonding inside technology**, thanks to gluing of the glass unit's edges to the profile all around its perimeter, permanently binds the window pane with the profile, thus effectively preventing the glass unit from being forced out of the profile and pushed inside the room.



Safetec inside

An important and effective anti-theft device in the IDEAL 8000 profile frame is the so-called safetec inside - a special extruded central rebate, which makes it difficult to balance the sash, blocking the possibility of access to the fittings.



Custom systems

for specific markets

FOR ALUPLAST, PRODUCT DIVERSITY AND FOCUSING ON CUSTOMER NEEDS ALSO MEANS GEOGRAPHIC DIVERSIFICATION. IN THE CONTEXT OF THE DESIGN AND CONSTRUCTION OF THE WINDOW, EXPECTATIONS AND CUSTOMS IN SOME COUNTRIES ARE DIFFERENT. BY OFFERING AND DEVELOPING SYSTEMS FOR SPECIFIC MARKETS, ALUPLAST IS ABLE TO MEET THE DIVERSE NEEDS AND REQUIREMENTS OF THESE MARKETS.



CUSTOM SYSTEMS

IDEAL 70[®]

70 mm profile depth

- U_f thermal transfer coefficient value: $1.3 \text{ W/m}^2\text{K}$
- backstop gasket system with two sealing levels
- glazing thickness up to 40 mm
- two frame variants (high | low)
- tested burglar resistance class RC2
- excellent sound insulation up to noise insulation class IV
- available in numerous decor variations





CUSTOM SYSTEMS

IDEAL 4000[®] casement

70 mm profile depth

- outward opened system with customs sash for glazing from inside
- U_f value of $1.3 \text{ W/m}^2\text{K}$
- backstop gasket system with two sealing levels
- glazing thickness up to 40 mm
- Document Q compliant
- A++ WER rating
- extensive range of woodgrains, colours and foils including flat colour options





CUSTOM SYSTEMS

IDEAL 4000[®] casement aluskin

70 mm profile depth

- IDEAL 4000 casement system variant with aluminium shells
- outward opened system with customs sash for glazing from inside
- U_f value of $1.3 \text{ W/m}^2\text{K}$
- backstop gasket system with two sealing levels
- glazing thickness up to 40 mm
- Document Q compliant
- A++ WER rating
- extensive range of woodgrains, colours and foils including flat colour options





CUSTOM SYSTEMS

Renovation profiles

70 mm profile depth

- U_f value for the standard frame-sash combination: $1.3 \text{ W/m}^2\text{K}$
- backstop or centre gasket system with two or three sealing levels
- glazing thickness up to 41 mm
- multiple frame/sash combinations possible
- tested burglar resistance class RC2
- concealed drainage is possible
- 5-chamber system as a standard combination
- available in numerous decor variations





CUSTOM SYSTEMS

Monoblock system

- Uf thermal transfer coefficient value for the standard frame-sash combination: 1.3 W/m²K
- backstop gasket system with two sealing levels
- glazing thickness up to 41 mm
- design variety in the sash (classic-line recessed | soft-line semi-recessed)
- tested burglar resistance class RC2
- concealed drainage is possible
- 5-chamber system as a standard combination
- available in numerous decor variations

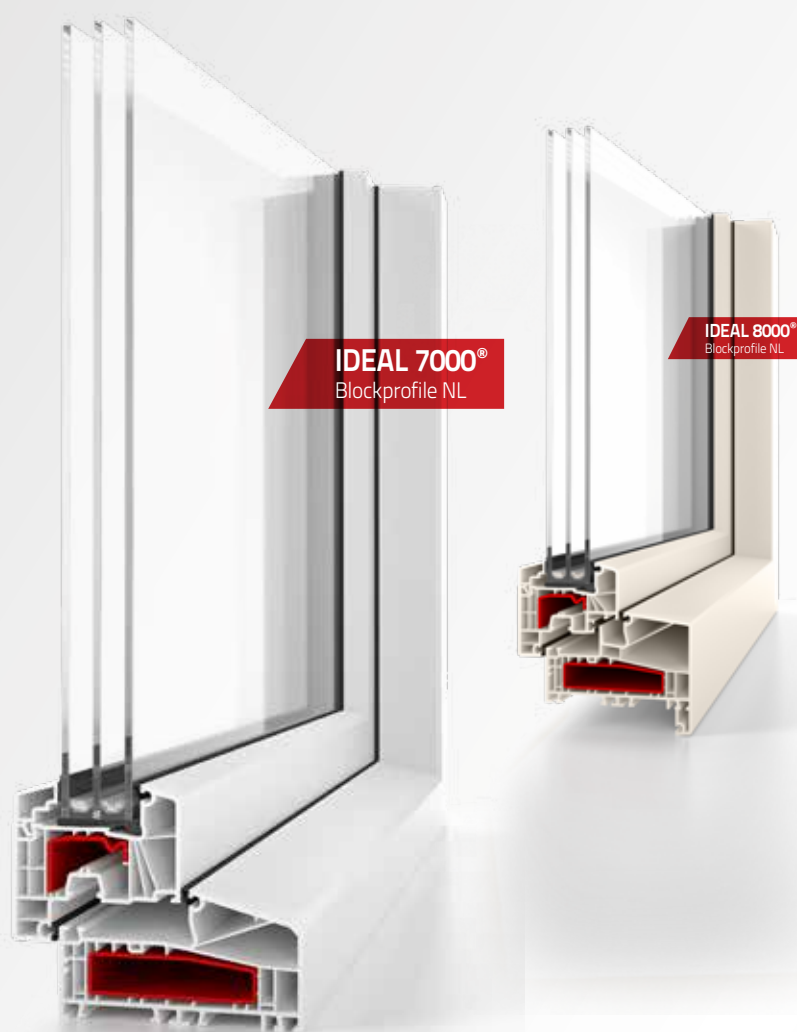




CUSTOM SYSTEMS

Blockprofile NL

- frame depth of 120 mm, 85 mm sash depth
- U_f thermal transfer coefficient value for the standard frame-sash combination: $1.0 \text{ W/m}^2\text{K}$
- backstop or centre gasket system with two or three sealing levels
- glazing thickness up to 51 mm
- concealed drainage is possible
- 6-chamber system as a standard combination
- available in numerous decor variations





CUSTOM SYSTEMS

Nord Line

- U_f thermal transfer coefficient value for the standard frame-sash combination: $1.3 \text{ W/m}^2\text{K}$
- backstop gasket system with two sealing levels
- glazing thickness up to 41 mm
- tested burglar resistance class RC2
- concealed drainage is possible
- 5-chamber system as a standard combination
- available in numerous decor variations





Entrance doors

It's the first impression that counts

FOR THIS REASON, ENTRANCE DOOR SHOULD PERFECTLY HARMONIZE WITH THE ARCHITECTURAL STYLE AND DESIGN OF THE HOUSE AND AT THE SAME TIME PROVIDE OPTIMAL THERMAL INSULATION. ALUPLAST OFFERS A WIDE RANGE OF RESIDENTIAL DOOR DESIGNS THAT ARE ALL COMPATIBLE WITH THE WINDOW SYSTEMS AND THAT MEET INDIVIDUAL THERMAL INSULATION REQUIREMENTS. FROM ALUMINIUM SHELLS TO DECOR LAMINATION: THE VISUAL APPEARANCE LEAVES NOTHING TO BE DESIRED.

Entrance door

70 mm profile depth

- Uf thermal transfer coefficient value: $1.5 \text{ W/m}^2\text{K}$
- perimetral interior gasket and additional exterior gasket for outstanding thermal insulation
- thermally-broken threshold
- weldable corner connectors guarantee highest stability
- the use of appropriate security hardware guarantees perfect protection against burglary



Entrance door

85 mm profile depth

- outstanding thermal insulation (Uf value of $1.2 \text{ W/m}^2\text{K}$)
- large reinforcement chambers for highest stability that can optionally be foam-filled (with the technology foam inside)
- glass and panel thickness up to 51 mm possible
- fine profile design with a visible sash width of only 116 mm
- optimized sealing concept using newly developed backstop gaskets in the frame and mullion
- the backstop gasket system allows for the installation of solid security striker plates
- low thermally-broken threshold made of aluminium



IDEAL 7000 entrance doors

IDEAL 7000 PROFILE SERIES OPENS NEW POSSIBILITIES IN THE FIELD OF ENTRANCE DOOR FABRICATION.

The new IDEAL 7000 entrance doors are characterized by very good thermal insulation parameters and are compatible with IDEAL 7000 and 8000 profile series.

Thanks to the multi-chamber construction and profile depth of 85 mm as well as the use of a door threshold with thermal insulation spacer, the thermal parameters of the door have been significantly improved, with the U_f value reaching $1.2 \text{ W/m}^2\text{K}$. In these new profiles it is possible to use glazing units and fillings up to 50 mm wide.

The low threshold featuring height of 20 mm meets the requirements for construction without architectural barriers and allows easy entry and exit.

Its special shape allow you to connect with additional system profiles, such as extensions. Wide aluminum drip cap effectively drains water to the outside.



IDEAL 7000 entrance door : special sash with leaf-enclosing filling

THANKS TO A NEW, SPECIAL PROFILE DEDICATED TO EXTERNAL DOORS WITH LEAF-ENCLOSING FILLINGS COVERING THE SURFACE OF THE SASH, THE NEW IDEAL 7000 ENTRANCE DOORS MEET THE HIGH AESTHETIC REQUIREMENTS SET BY THE ARCHITECTS.

The new 85 mm main entrance door with leaf-enclosing infill for exclusive residential door solutions has been developed in consultation with all leading door panels manufacturers.

Due to the profile depth reduced by 4 mm to 81 mm, all market-standard door panels can be used in the 85 mm profile systems without the need to replace the gaskets.



A modern, two-story house with large glass doors and windows, illuminated from within, overlooking a swimming pool at dusk. The house features a balcony with a glass railing and a large overhang. The pool reflects the lights from the house and the sky. The overall atmosphere is serene and luxurious.

HST 85mm

Lift and slide doors

LARGE-SURFACE LIFT AND SLIDE DOORS ALLOW TO ELIMINATE ALL OBSTACLES, TO SAVE AND TO SHAPE SPACE AT HOME FREELY. LIGHT-FLOODED ROOMS, CLOSE TO NATURE, NO BARRIERS AND THE OPTIMAL USE OF LIVING SPACE IS A NEW PERSPECTIVE IN THE INTERIOR DESIGN.

ONE SYSTEM - THREE FABRICATION VARIANTS



BASIC variant



STANDARD variant



PREMIUM variant

The modular system is a first in this segment: one single system allows for the manufacture of three different products with different thermal insulation properties: from the Basic version, that meets all the requirements of the energy efficient standards, through the Standard variant with the enhanced thermal parameters up to the Premium version with the excellent thermal characteristics meeting passive house standards' level. Combined with the possibility of application of energy-efficient 51 mm thick glass units, the system allows to achieve excellent thermal parameters.

$U_f = 1,6$



BASIC

$U_f = 1,4$



STANDARD

$U_f = 1,1$



PREMIUM



HST 85 MM FIXFRAME

EVEN MORE LIGHT

AN IDEAL SOLUTION FOR THOSE WHO WANT A COMFORTABLE COMBINATION OF THE INTERIOR WITH A TERRACE AND THE PANORAMIC VIEW ACHIEVED THANKS TO A LARGE GLAZED AREAS IS TO CHOOSE THE ALUPLAST 85 MM LIFT AND SLIDE DOOR.

The latest system solution HST 85 mm Fixframe featuring a slim frame design in the fixed part of the door fulfills the idea of maximizing the share of glazed surfaces in the windows. An extremely slim profile of the fixed frame allows even more light flowing into your living space - for higher quality of living and additional thermal benefits from solar energy.

EVEN WITH MAXIMUM SIZE OF 6.50 X 2.80 M, IT CAN BE OPENED AND CLOSED EASILY AND WITHOUT FORCE EXERTION, ALLOWING A SMOOTH AND BARRIER-FREE TRANSITION TO THE OUTSIDE. ANOTHER ADVANTAGE IS THE SPACE-SAVING OPERATION: THE SASH IS OPENED PARALLEL TO THE FIXED SASH AND THEREFORE DOES NOT OCCUPY ANY EXTRA SPACE. THE RESULT: GENEROUS ROOM CONCEPTS WITH ADDED VALUE IN LIVING QUALITY!

LOW THRESHOLD

HOUSE WITHOUT BARRIERS? OF COURSE!



THE PURPOSE: TOTAL FREEDOM OF MOBILITY FOR THOSE, WHO ARE LIMITED IN THEIR ABILITY TO MOVE FREELY. THAT IS WHY THE 85 MM LIFT AND SLIDE DOOR IS ALSO AVAILABLE IN THE BARRIER-FREE VARIANT. THE DOOR FRAME, WHICH LOOKS LIKE A CONTINUOUS FLOOR, NOW INCLUDES A FLAT THRESHOLD FOR A COMFORTABLE, OBSTACLE-FREE TRANSITION FROM INSIDE TO OUTSIDE. IT IS ALSO EASY TO OPEN AND CLOSE EASILY - EVEN WITH VERY LARGE ELEMENTS.

The 85 mm lift and slide door is a modern and safe solution, designed to eliminate ubiquitous barriers. Low door threshold 48 mm high, which can be recessed from the room's side in all its height, meets the requirements for buildings without any architectural barriers and enables easy entry and exit. Thanks to this solution, it is also possible to level the threshold with the floor surface and thus completely eliminate architectural barriers.

Custom shaped threshold allows you to connect with additional system profiles, such as extensions.

At the same time, the diversity of the construction of the system makes it possible to fabricate the lift and slide door in different versions and arrangements of movable sashes and non-opening parts, so that one, two or even four sashes can open independently from each other.



smart-slide

The all-round star

A WELL-THOUGHT-OUT COMBINATION OF TECHNICAL SOLUTIONS MEANS THAT THE SMART-SLIDE DOOR ACHIEVES VERY GOOD TESTS RESULTS IN THE AREAS OF AIR PERMEABILITY, WIND RESISTANCE AND WATER RESISTANCE. THE INNOVATIVE CLOSING MECHANISM ALLOWS FOR A SIMPLE AND INTUITIVE OPERATION. THE SASH DEPTH OF 70 MM PROVIDES THE NEW SMART-SLIDE SLIDING DOOR WITH A WIDE RANGE OF APPLICATIONS, E.G. IN THE AREA OF RENOVATION.



REALLY QUITE SMART

smart-slide

70 mm profile depth

- small construction depth of 70 mm
- $U_f = 1.3 \text{ W/m}^2\text{K}$
- glazing and panel thickness up to 41 mm possible (single- to triple-glazed)
- modern classic-line design
- concealed hardware technology
- selection of opening mechanisms: scheme A + C
- available in numerous decor designs
- optional bonding inside (adhesive technology)



COMFORTABLE CLOSING



HIGH TIGHTNESS



Sliding windows

Stylish views

ENJOY YOUR MOST BEAUTIFUL VIEW IN THE LIVINGROOM AND LET IT BRIGHTEN YOUR LIFE. THE ALUPLAST SLIDING DOOR SERIES CAN BE FABRICATED INDIVIDUALLY ACCORDING TO YOUR PERSONAL DESIGN REQUIREMENTS. YOU CAN THEREFORE GIVE THE ENTIRE LIVINGROOM YOUR OWN UNIQUE STYLE. EXPERIENCE A BRAND NEW STANDARD OF LIVING.

mono-slide

- glazing thickness up to 8 mm
- exchangeable seals
- standardised 60 mm frame system

The system is intended for the construction of windows for which high thermal insulation requirements are not required. The main reason is the use of single glazing. A characteristic solution of this construction is the installation of the glass pane in the fixed quarter, directly in the window frame, and not in the sash, as it is in other systems. In this case, the glass surface of the fixed unit is larger than the movable sash by the width of the sash profile.

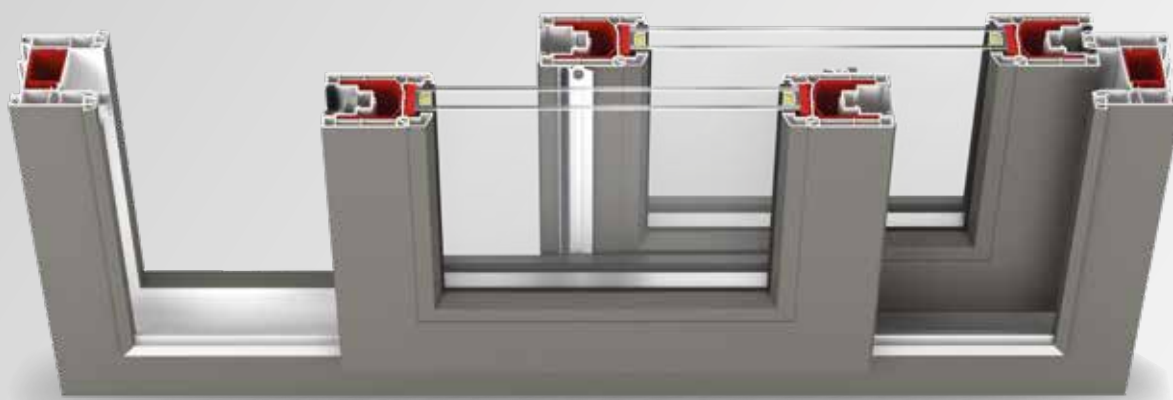


easy-slide 60 mm

- glazing thickness up to 20 mm
- exchangeable seals
- steel reinforcements both in the sash and frame guarantee an excellent static performance

In the easy-slide system, thanks to the greater sash width, the maximum width of the glazing units has increased to 20 mm, which allows for better thermal insulation performance. The maximum weight of the sash in this construction is 60 kg.

multi slide 80 | a better outlook



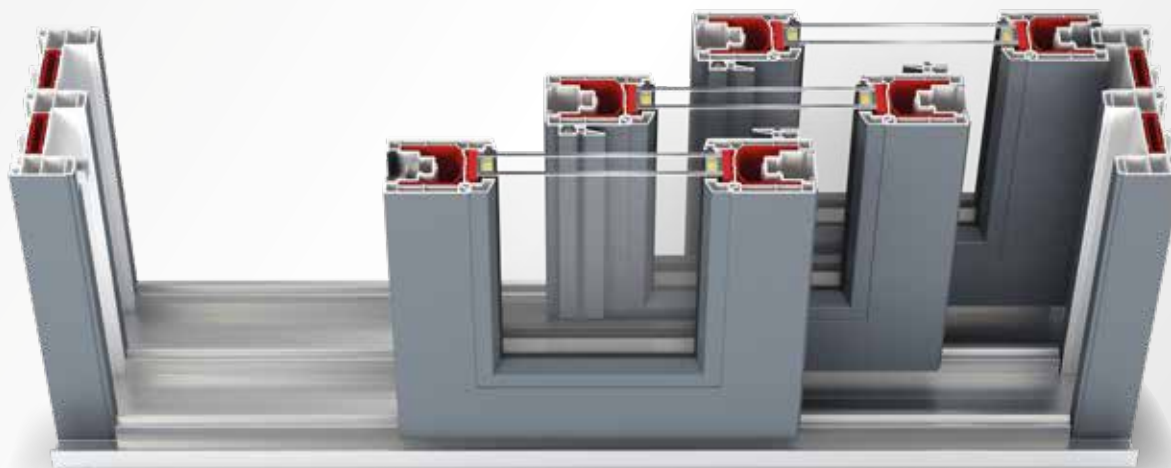
With its simple construction (no tilt function available, just sliding) and ease of use, multi-slide 80 is a perfect solution for terrace and balcony doors. Maximum single sash weight adds up to 150 kg. All multi-slide systems are available in numerous decorative foil variants.



multi-slide 80 - features

- 80 mm frame profile depth
- glass thickness up to 32 mm
- dual track solution
- co-extruded gaskets
- best structural values allow for large door sizes
- easy assembly

multi slide 96 | enjoy the view



Multi Slide 96 features the same general technical characteristics as the Multi Slide 80, but offers the possibility to add extra tracks, thus giving you the option to create impressive, large windows with multiple movable sashes in various combinations.



multi-slide 96 - features

- 96 mm frame profile depth
- glass thickness up to 32 mm
- multi track extensions available
- co-extruded gaskets
- best structural values allow for large door sizes
- aluminum threshold with drainage solution
- easy assembly



Ventilation systems

For an ideal indoor climate

VENTILATION SYSTEMS BY ALUPLAST ARE INSTALLED AT THE TOP OF YOUR WINDOW, BETWEEN THE FRAME AND THE SASH. THEY CREATE A PERMANENT CONTROLLED FLOW OF AIR.

These simple and highly effective systems create a pleasant atmosphere in your home and guarantee stress-free living when it comes to mould. Your house can be infested by mould if certain rooms remain permanently damp without a chance to dry out. As well as affecting the beauty of your home, mould can also pose a severe problem to your health, potentially leading to breathing difficulties, allergies and many

more issues. The automatic Basic Air max® systems were developed to solve this problem by controlling the amount of air movement depending on the environmental conditions. As a result, you can breathe hygienic air without wasting lots of energy. It can be used in rebate and centre gasket systems to ensure an air change when the windows are closed.

Basic Air max

- High air passage values
- from air pressure values of 2 Pa on
- proven sound insulation up to class IV / 42 dB
- ventilation for moist proofing according to DIN 1946-6 standard possible
- Meets the requirements of the German Energy Saving Ordinance (EnEV)
- for both the rebate and centre gasket systems (IDEAL 4000®, IDEAL 5000®, IDEAL 7000®, IDEAL 8000®, as well as for energeto® 4000, energeto® 5000, energeto® 7000 and energeto® 8000)
- application possible regardless of hardware
- Inconspicuous for the eye - is placed at the top of the window sash, above the sight level



- 1. Control flaps:** precisely regulate the airflow due to their flow contour.
- 2. Plastic hinge technology:** ensures the sensitive mobility and a precise resilience of the control flaps.

- 3. Frontward side:** adapts closely to the fixed frame.
- 4. Locking foot:** holds the component firmly in the window sash.
- 5. Buffer:** give the part the flexibility it needs to adapt to the different slit geometries.



Roller shutters

Good climate in your house

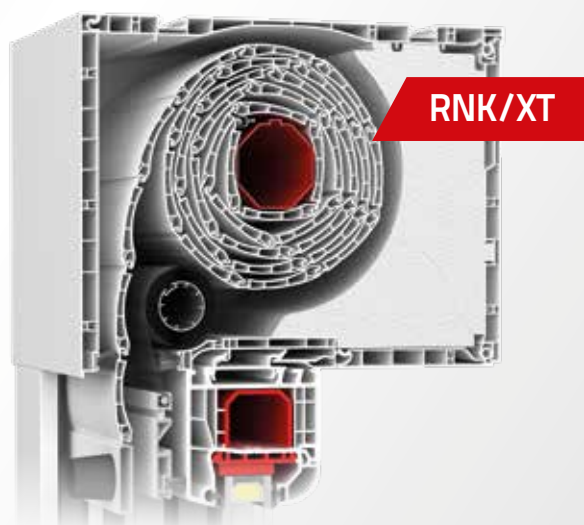
THE ATMOSPHERE OF YOUR HOME IS AN ESSENTIAL ELEMENT OF LIVING. THE ALUPLAST ROLLER SHUTTERS NOT ONLY WILL ENSURE AN EXTRA PROTECTION OF YOUR HOUSE, BUT WILL ALSO CONTRIBUTE TO THE CREATION OF A SPECIAL, UNIQUE INTERIOR CLIMATE.

Top-mounted roller shutter **RNK/E**

- The latest solution of the roller shutter
- uPVC box and the guide rails
- Service cover alternatively opened from the inside, bottom or from the outside
- Insect screen installation possible, also after installation of the roller shutter and finishing works
- Extraordinarily easy installation and stable construction
- Compatible with all aluplast profiles and profiles of other manufacturers made of uPVC, aluminium and wood up to frame depth of 90 mm
- Wide range of colours and decorative foils available
- Compatible with shutter slats type MINI or MAXI
- Insulated box side covers
- Meets the requirements of EnEV 2014



Top-mounted roller shutter **RNK/XT**



- Universal roller shutter for integration with window with option for service cover on the inside or on the bottom side of the box
- uPVC box and the guide rails
- Insect screen installation possible
- Extraordinarily easy installation and stable construction
- Compatible with all aluplast profiles and profiles of other window profiles manufacturers made of uPVC, aluminium and wood
- Wide range of colours and decorative foils available
- Compatible with shutter slats type MINI
- Insulated box side covers
- Meets the requirements of EnEV 2014

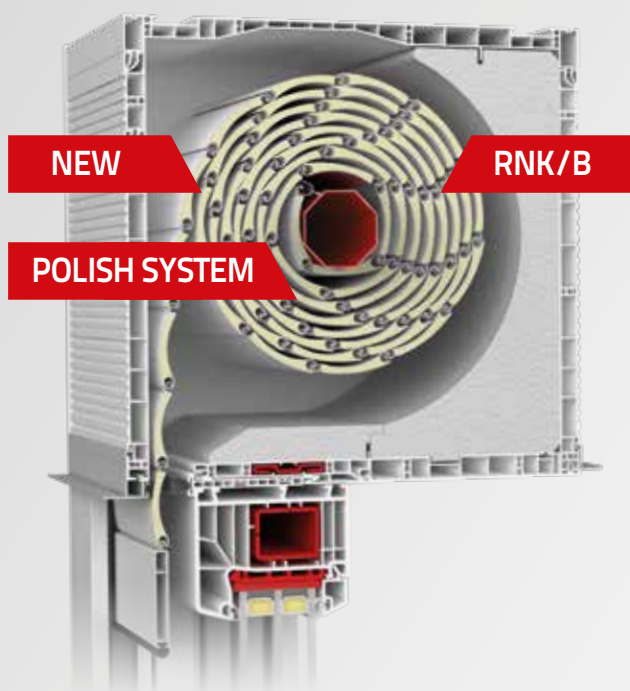
Top-mounted roller shutter **RNS**

- classic roller shutter for integration with window
- uPVC box and the guide rails
- Service cover opened traditionally from the front from the inside
- Easily dismantled internal components
- Insect screen installation possible
- Extraordinarily easy installation and stable construction
- Compatible with all aluplast profiles and profiles of other window profiles manufacturers made of uPVC, aluminium and wood

CAUTION Doesn't meet the requirements of EnEV 2014



Top-mounted roller shutter **RNK/B**



- rollup insect screen located between the window and the shutter, additionally protecting the screen from damage
- aesthetic service cover with an easy-to-operate locking system in the bottom side of the box
- various options of box covering available
- various box insulation types allowing to adapt optimally the roller shutter parameters to the climatic conditions
- production of uPVC components based on environment friendly, lead-free stabilizers
- possibility to control the roller shutter using manual or electric drives
- system construction allowing for the execution of numerous roller shutter sets in one box
- three box sizes (heights) available: 165 mm, 205 mm and 245 mm featuring 255 mm depth, letting you match roller shutter size to the different sizes of windows and doors
- roller shutter system available both with or without rollup insect screen



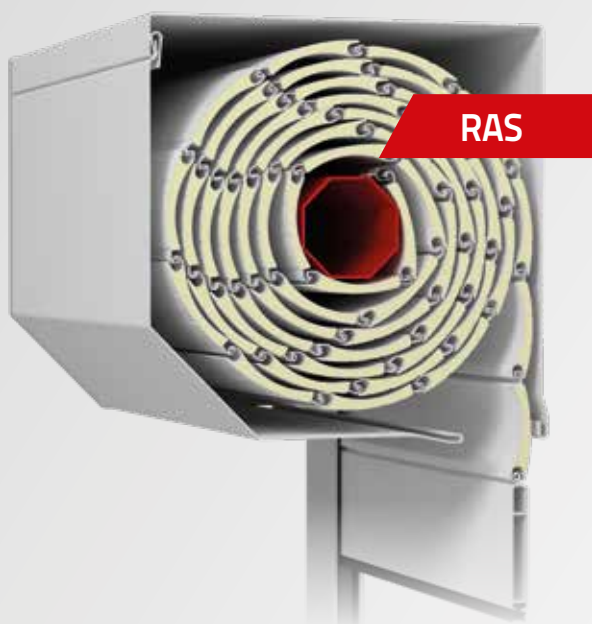
Venetian blinds system **RNK/F**

- Solution based on the RNK/E system box
- Can be plastered both from the side of interior and from the outside
- Shutter box and guide rails made of uPVC
- Easy disassembly of the shutter curtain
- Extraordinarily easy installation and stable construction thanks to installation fittings, holding up the shutter
- Compatible with all aluplast profiles and profiles of other window profiles manufacturers made of uPVC, aluminium and wood
- Wide range of colours and decorative foils available
- Insulated box side covers

Meets the requirements of EnEV 2014

Adaptation roller shutter **RAK/E**

- Adaptation roller shutter intended for plastering
- Construction fully made of aluminium (box, covers, guide rails)
- Flat service cover from the bottom of the box
- Wide range RAL colour palette in the visible box elements
- Decorative foils available mahogany (05), golden oak (23), walnut (27), dark oak (06)
- Available box sizes: 137, 165, 180, 205 mm
- Insect screen integration possible



Adaptation roller shutter **RAS**

- Most popular system of adaptation roller shutter made of roll-formed tin
- Construction fully made of aluminium (box, covers, guide rails)
- Service cover at 45 degree angle
- Suitable for installation in buildings with already installed windows
- Wide range of RAL colours available for box parts
- Decorative foils (elements partially covered) available: mahogany, walnut, golden oak
- Available box sizes: 125, 137, 150, 165, 180, 205 mm
- Insect screen integration possible



Adaptation roller shutter **RAR/R**

- System made of roll-formed tin with rounded service cover
- Construction fully made of aluminium (box, covers, guide rails)
- Suitable for installation in buildings with already installed windows
- Wide range of RAL colours available for box parts
- Available box sizes: 137, 165, 180, 205 mm
- Insect screen integration possible



woodec –
inspired
by nature

Design variants

The most beautiful style of refinement

SHEFFIELD OAK CONCRETE

SHEFFIELD OAK ALPINE

TURNER OAK MALT



woodec surface: for perfect haptics

A remarkable wooden look and a unique touch combined with all advantages of a U-PVC window: our new impressive woodec surface offers all these aspects for aluplast window and door systems.



aluplast foils: world of colours

JUST AS THE WORLD AROUND US IS BECOMING MORE AND MORE COLORFUL, SO GROWS THE POPULARITY AND THE MARKET SHARE OF COLOURED WINDOWS.

In addition to the shape, the colors of windows and doors have a big influence on their aesthetic impact. It is an object of fascination of both customers who buy windows and architects who, thanks to that, can give an appropriate accent to the designed buildings. Now you can easily adjust, select and preview how the colors of individual building elements interact with each other thanks to the aluplast Color Configurator.

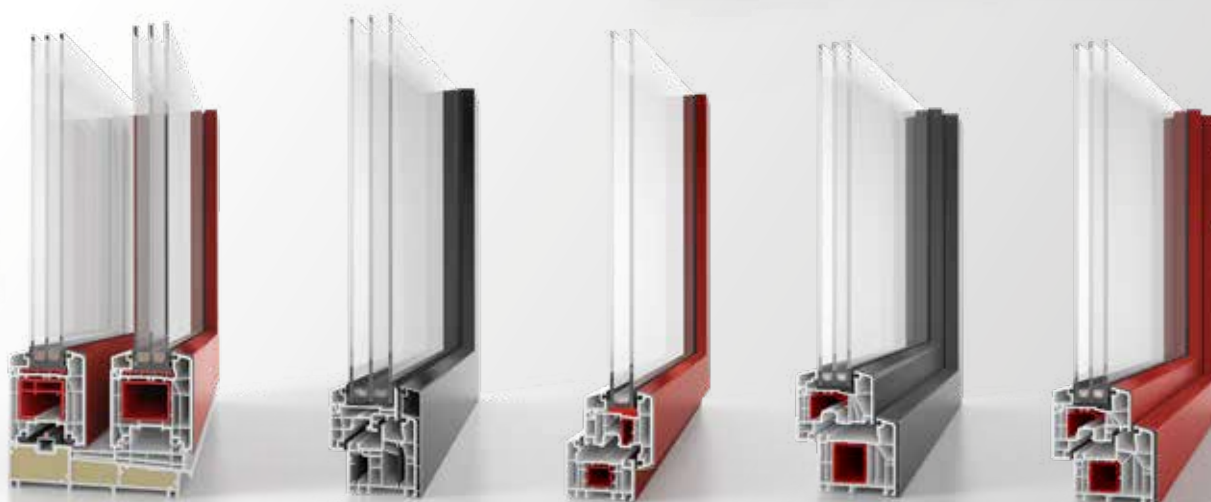
Scan the code and try out the aluplast colour configurator right now!





aluskin for the premium design

The elegant appearance of aluminium is very en vogue these days. aluplast believes in the intelligent mix of plastic and aluminium. Covering U-PVC windows with exterior aluminium shells simply clipped onto the plastic profile combines a whole bunch of benefits a pure aluminium window cannot come up with. The result is a high-end product combining an appealing design, individuality and the highest level of security. Aluminium shells can be butt-jointed or mitre-jointed in the frame corners.

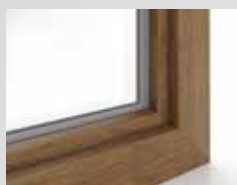


Decorative foils: individual window design

FOR THOSE, WHO LIKE TIMBER WINDOWS, BUT DON'T WANT TO RENOVATE THEM EVERY COUPLE OF YEARS, THE ALUPLAST NUMEROUS DECORATIVE FOILS ARE A GOOD CHOICE, COMBINING THE NATURAL APPEARANCE OF WOOD WITH THE UNCOMPLICATED EASE OF CARE FOR U-PVC.



white (U-PVC)



ap01 oak special



ap02 natural oak



ap05 mahogany



ap06 dark oak



ap11 douglas



ap15 oregon III



ap19 turner oak malt
(woodec)



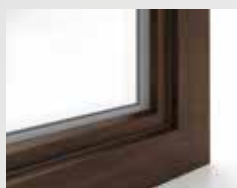
ap20 sheffield oak alpine
(woodec)



ap21 sheffield oak concrete
(woodec)



ap23 golden oak



ap27 walnut



ap28 walnut terra



ap29 walnut amaretto



ap30 dark green
RAL 6009 (similar)



ap32 dark red
RAL 3011 (similar)



ap33 palisander
RAL 8022 (similar)



ap34 grey
RAL 7001 (similar)



ap40 anthracite grey
RAL 7016 (similar)



ap41 steel blue
RAL 5011 (similar)



PROFILE COLOURS



ap42 agate grey



ap43 green
RAL 6005 (similar)



ap44 white
RAL 9010 (similar)



ap47 diamond blue
RAL 5007 (similar)



ap50 cream white
RAL 9001 (similar)



ap52 birch



ap60 anthracite grey
sanded
RAL 7016 (similar)



ap61 grey
sanded
RAL 7001 (similar)



ap62 basalt grey
RAL 7012 (similar)



ap63 metbrush
aluminium
RAL 9022 (similar)



ap65 quartz grey
sanded
RAL 7039 (similar)



ap69 dark graphite



ap71 jet black matt



ap75 sheffield oak light



ap79 alux db
DB 703 (similar)



ap86 papyrus white



ap87 beige grey



ap88 quartz grey



ap89 dark brown



ap90 silk grey



ap91 concrete grey



ap93 sheffield oak brown



ap94 sheffield oak grey



ap95 newcastle oak khaki

CAUTION: representation of colours shown here may differ from the actual colours of the foils - in order to determine the actual colour of the foil, please use the physical aluplast foils sampler.



Pure elegance

in anthracite

IN THE RECENT YEARS, THE WAY OF THINKING ABOUT ARCHITECTURE HAS CHANGED SIGNIFICANTLY. THIS CHANGE IS EXPRESSED PRIMARILY IN THE SEARCH, IN BOTH THE DESIGN OF THE BUILDING AND IN THE PRODUCTS USED IN IT, FOR SOLUTIONS ALLOWING TO GIVE THESE PROJECTS A UNIQUE AND INDIVIDUAL STYLE. THE PREFERENCES REGARDING COLORS HAVE ALSO CHANGED SIGNIFICANTLY, WHERE CURRENTLY AMONG MOST PREDOMINANT COLORS ARE ANTHRACITE, BASALT AND VARIOUS SHADES OF GRAY.



Widest product range of profiles with an anthracite core.

In response to these trends, we introduce profiles with anthracite core into product range of IDEAL 4000, IDEAL 7000, IDEAL 8000, aluplast intertec, Smart-slide and 85mm Lift&Slide systems, which will make your windows match fashionable and modern house arrangements even better. Thanks to the anthracite core, in case of foiled both sides windows, we have the possibility to obtain a uniform color throughout the profile surfaces. Thus, windows blend in even better with modern interior and façade arrangements.



IDEAL 4000



IDEAL 7000



aluplast intertec 85



IDEAL 8000



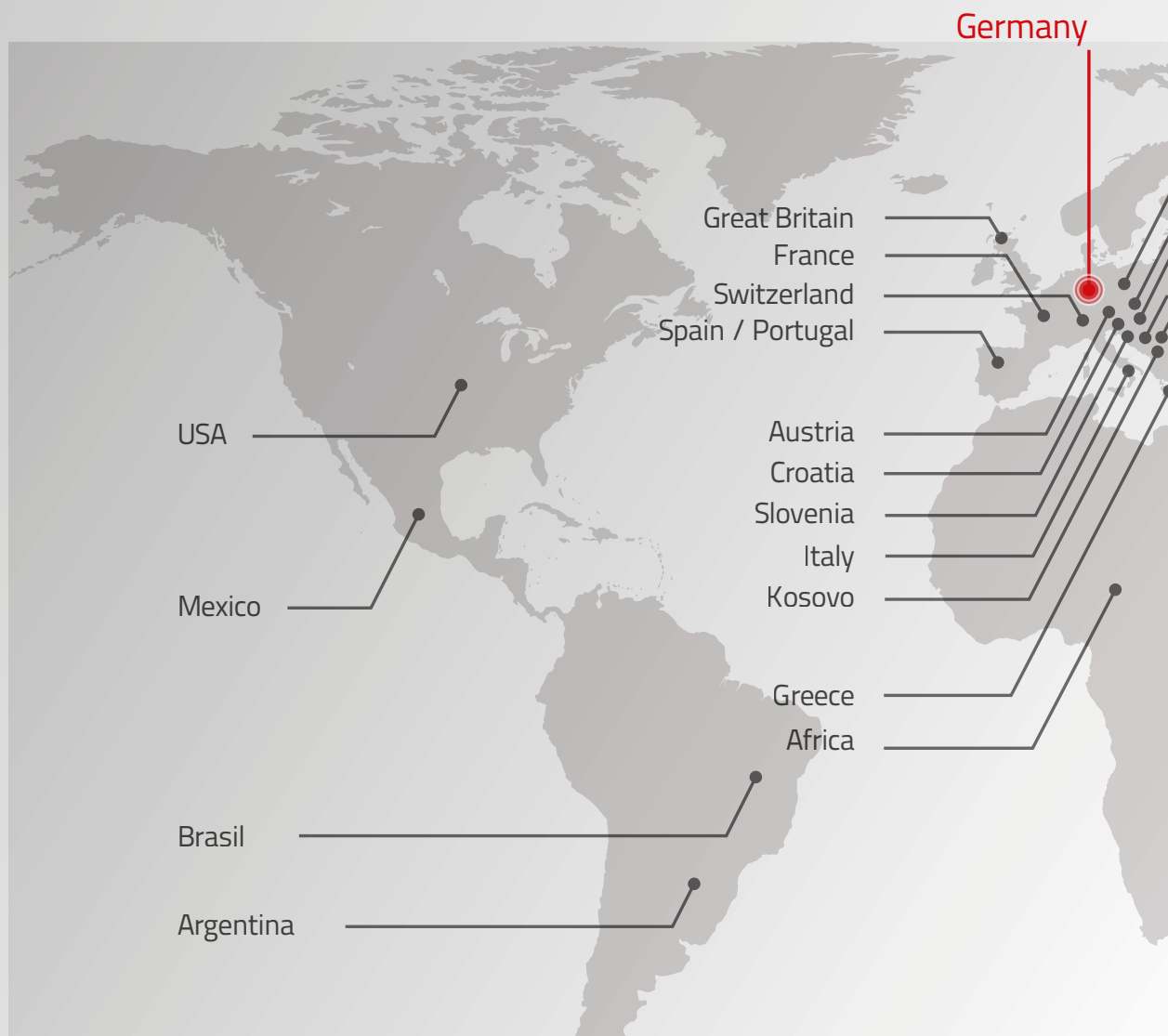
Smart-slide



85mm Lift&Slide

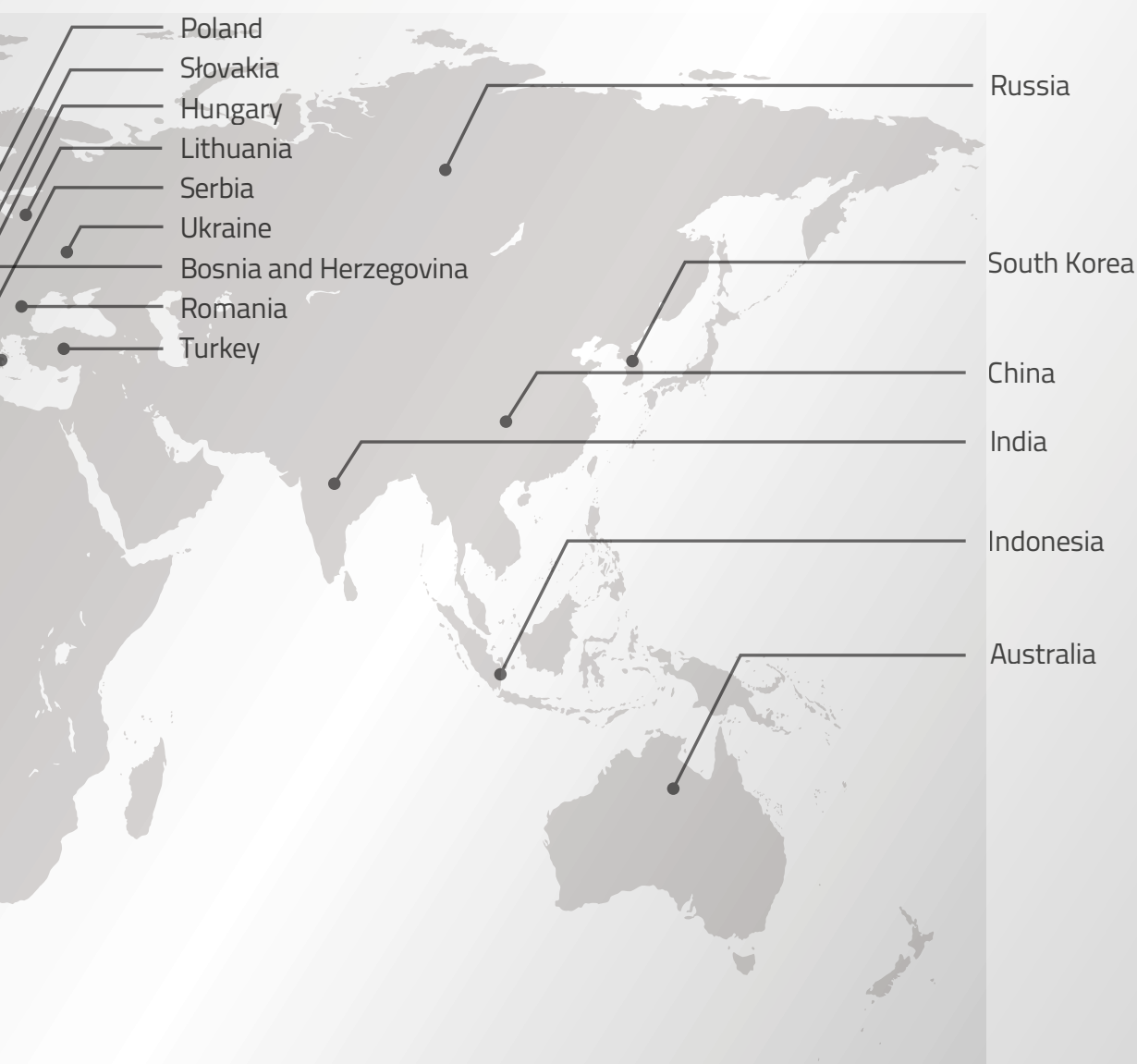
THE ALUPLAST GROUP

ALUPLAST INTERNATIONAL



GOOD TOGETHER. STRONG TOGETHER.

The aluplast network offers future reliability and enduring success in times of globalisation and open borders.



SINCE 1982 THE ALUPLAST GROUP HAS BEEN DEVELOPING, MANUFACTURING AND SELLING HIGH QUALITY, TECHNOLOGICALLY ADVANCED WINDOW SYSTEMS MADE OF U-PVC, BEING NUMBERED AMONG THE BIGGEST AND MOST REPUTABLE BRANDS IN THE INDUSTRY. CURRENTLY THE ALUPLAST GROUP IS REPRESENTED WORLDWIDE BY 24 PRODUCTION PLANTS AND TRADE OFFICES, BEING PRESENT IN MORE THAN 80 COUNTRIES IN THE WHOLE WORLD.

