





WORLD OF INNOVATION

COMPANY PRESENTATION | PRODUCT PORTFOLIO



ININOVATIONS
INDUSTRY LEADER

ATIBILITY

WIDEST PRODUCT RANGE

PARTNERSHIP

PRODUCTS WITH BEST PRICE/QUALITY RATIO

NOVATIONS

MOST INNOVATIVE COMPANY

QUALITY

COMPATIBILITY

Page 3



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 20 years of activity, aluplast is the biggest supplier of uPVC window and door systems in Poland.

The company employs approx. 400 people and runs a modern production plant (over 60 000 sqm area), with the annual turnover reaching 400 million PLN.

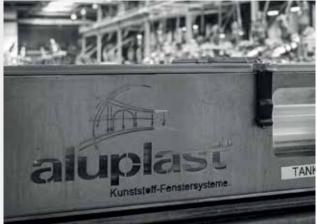
Over 300 joinery fabricators manufactures uPVC windows and doors based on aluplast systems.

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 PVC door and window industry.







ALUPLAST VALUES

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.

INNOVATIONS

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 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.

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.

PARTNERSHIP

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

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.

ALUPLAST IN NUMBERS

MODERN PRODUCTION PLANT

ON THE AREA OF

60 000 sqm

APPROX.

400

MILLION TURNOVER

OVER
300
COOPERATING
FABRICATORS

50 000

TONS

OF PROCESSED PVC PER YEAR

400

EMPLOYEES

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.







1995

Launch of the aluplast sp. z o.o.

in Poznan

1997

The production of profiles begins in Bydgoszcz after the acquisition of the company Intertec 2001

Laying of the foundation act for the construction of a new factory in Poznan

2002

The grand opening of the new factory in Poznan, end of the first stage of investment

20 YEARS OF PROGRESS ALUPLAST IN POLAND

We started out like many did. Modest office, 8 employees and merely a tiny fraction of today's turnover. But from the very beginning we've been linked by the idea, to constantly reach higher, regardless of the obstacles.













2004

2005

2006 -2011

2012 -2015

The end of the second stage of the investment project. The production of profiles in Poznan begins

Construction of modern mixing plant with capacity of 65 thousand tons of PVC Further investments in the technical equipment, extrusion lines etc.

Additional plot of land purchase, construction of the new halls and warehouses

Persistence and consistency caused, that already in the first year of its activity, a trade company aluplast became a production division. After next two years, thanks to the takeover of the intertec company with its subsidiary in Bydgoszcz, aluplast development accelerated significantly.

Substantial increase of sales soon evoked a decision to build a new factory in Poznan. Over the plot of 45 000 sqm a modern production plant was built, and in 2004 the whole profile production process was moved from Bydgoszcz to Poznan.

Year later, a modern mixing plant with capacity of 65 thousand tons of PVC was constructed.

Next years stood under the mark of large-scale

investments in the technical equipment.

Setting ourselves ambitious goals and wanting to increase the scale and effectiveness of our business, in 2012 we purchased another plot of 15 000 sqm, where the new production halls and warehouses were built.

Not slowing down our pace, we enter the twentieth year of our activity with ambitious investment plan, that involves increase of production capacity and launch of the new profile series.



ADVANTAGE THROUGH INNOVATION





TECHNOLOGIES

Bonding inside - a strong bond

With the bonding technology, aluplast once again set a new trend in the industry.

There is good reason why so many processors inextricably associate this technology with aluplast.

The benefits are obvious: The bonding agent creates an extremely strong bond between glass and sash. Thereby, the glazing unit's weight does not only rest on some glazing blocks but is distributed over the sash profile's entire length. This prevents warping of the sash and renders hardware adjustments unnecessary.

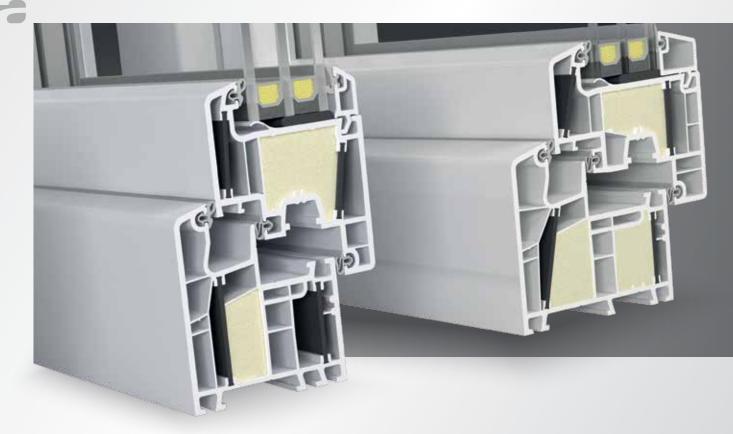
But that's not all: Bonding the glazing unit to the sash also increases the overall stability of the element. By this means, steel reinforcements in the profiles are no longer needed in standard-sized windows. Abandoning the use of steel eliminates the old problem of thermal bridges and hence provides improved thermal insulation. Another advantage especially for window installers: Without steel reinforcements, the profiles weight is reduced by up to 60 %.



The vision of a steel free window turned into reality.

aluplast has turned the vision of a steel free window into reality: In cooperation with BASF, a special glass-fibre reinforced plastic was developed that, integrated in the window profile's interior, provides the necessary stability and renders additional steel reinforcing elements unnecessary. With powerdur® instead of steel in the window profile, insulation values will improve considerably.

The company made another giant leap with respect to recycling: powerdur® profiles are a 100% recyclable. In the state-of-the-art aluplast recycling plant, the shredded material consisting of PVC and powerdur® can be separated and returned to the production cycle.





Darmstadt Passive House Institute has issued a certificate for energeto® 8000 foam inside system-based windows, recommending them as perfect solution for passive buildings.

TECHNOLOGIES

Foam inside

Solving future problems, today! aluplast meets and exceeds the most ambitious energy conservation standards.

Sensational insulation values: The technology foam inside is what brings the window to perfection. The insulating profile chambers are filled with special polyurethane foam. The revolutionary thing about it: The foam material is introduced into the completed frame after welding. The foam has the property to expand and make its way through the entire profile. Due to this considerable expansion in volume, the perimetral insulating chamber of the

frame is filled completely down into the last detail. The exact amount of foam is calculated by software provided by aluplast. Of course, foam inside can be recycled completely, because unlike other construction foams it does not stick to the profile surface.

Foam inside: Window technology at its finest.







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:



Use of combined glass panes technology and pasting the glass pane into the sash groove to achieve the excellent thermal and static parameters of the constructed windows.



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



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



EXTREMELYDELICATE DESIGN

energeto® 5000 view design follows the new trend of slim, minimalist facade optics while ensuring excellent thermal parameters of the window.

CONCEALED SASH

energeto® 5000 view

- U_f 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





New trends in facade design

LESS IS MORE

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°.



ENERGETO SERIES

energeto®4000

- U_f thermal transfer coefficient value: 1.0 W/m²K
- backstop gasket system with two sealing levels
- glazing thickness up to 41 mm
- design variety in the sash (classic-line recessed | classic-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





ENERGETO SERIES

energeto® 5000

- U_f thermal transfer coefficient value: 1.0 W/m²K
- centre gasket system with three 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
- fine and classical profile design for light-flooded rooms
- available in numerous decor variations and with aluskin® aluminium shells



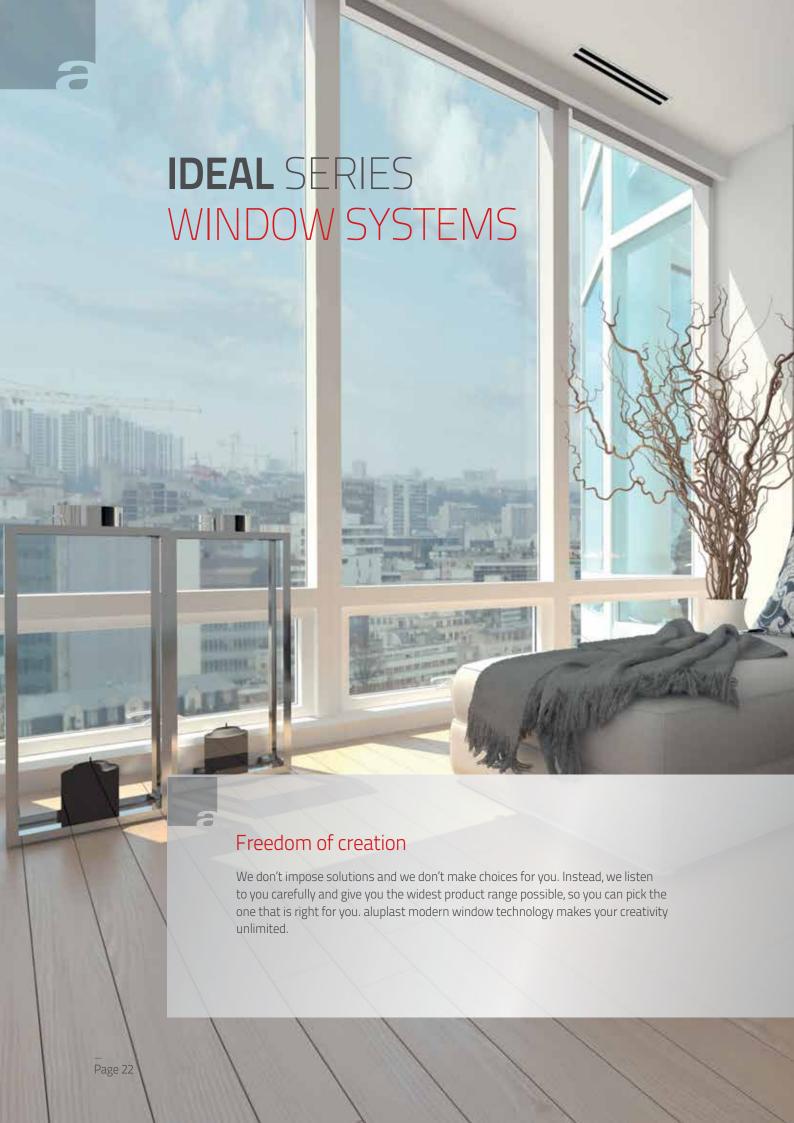


ENERGETO SERIES

energeto® 8000

- U_f thermal transfer coefficient value: 0.94 W/m²K
- centre gasket system with three sealing levels
- 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







IDEAL 2000®

- U_f thermal transfer coefficient value for the standard frame-sash combination: 1.4 W/m²K
- backstop gasket system with two sealing levels
- glazing thickness up to 33 mm
- design variety in the sash (classic-line recessed | round-line recessed | round-line semi-recessed)
- tested burglar resistance class RC2
- concealed drainage is possible





IDEAL 4000®

- U_f thermal transfer coefficient value for the standard frame-sash combination: 1.3 -1.4 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 | round-line recessed | round-line semi-recessed)
- tested burglar resistance class RC2
- concealed drainage is possible
- six chamber system as a standard combination
- available in numerous decor variations and with aluskin® aluminium shells







IDEAL 5000®

- U_f thermal transfer coefficient value: 1.2 W/m²K
- centre gasket system with three sealing levels
- 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
- available in numerous decor variations and with aluskin® aluminium shells





IDEAL 7000®

- U_f thermal transfer coefficient value: 1.1 W/m²K
- backstop gasket system with two sealing levels
- glazing thickness up to 51 mm
- classical sash design (classic-line recessed)
- tested burglar resistance class RC2
- six chamber profile system
- excellent sound insulation up to noise insulation class IV
- available in numerous decor variations and with aluskin® aluminium shells





IDEAL 8000®

- U_f thermal transfer coefficient value: up to 1.0 W/m²K
- 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 semirecessed | round-line recessed | round-line semi-recessed concave)
- tested burglar resistance class RC2
- six chamber profile system
- excellent sound insulation up to noise insulation class IV
- available in numerous decor variations and with aluskin® aluminium shells





Window systems fitted to your needs.

For aluplast, product variety and focus on customer's needs means also geographic diversification. In terms of window design and construction, the expectations and needs vary from one country to another. By developing and offering custom systems for different european markets, aluplast is able to meet different demands and requirements of these markets.



IDEAL 70®

- U_f thermal transfer coefficient value: 1.3 W/m²K
- 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





Renovation systems

- U_f thermal transfer coefficient value for the standard frame-sash combination: 1.3 W/m²K
- 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





Monoblock system

- U_f 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





Blockprofile NL

- U_f 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
- tested burglar resistance class RC2
- concealed drainage is possible
- 5-chamber system as a standard combination
- available in numerous decor variations and with aluskin® aluminium shells

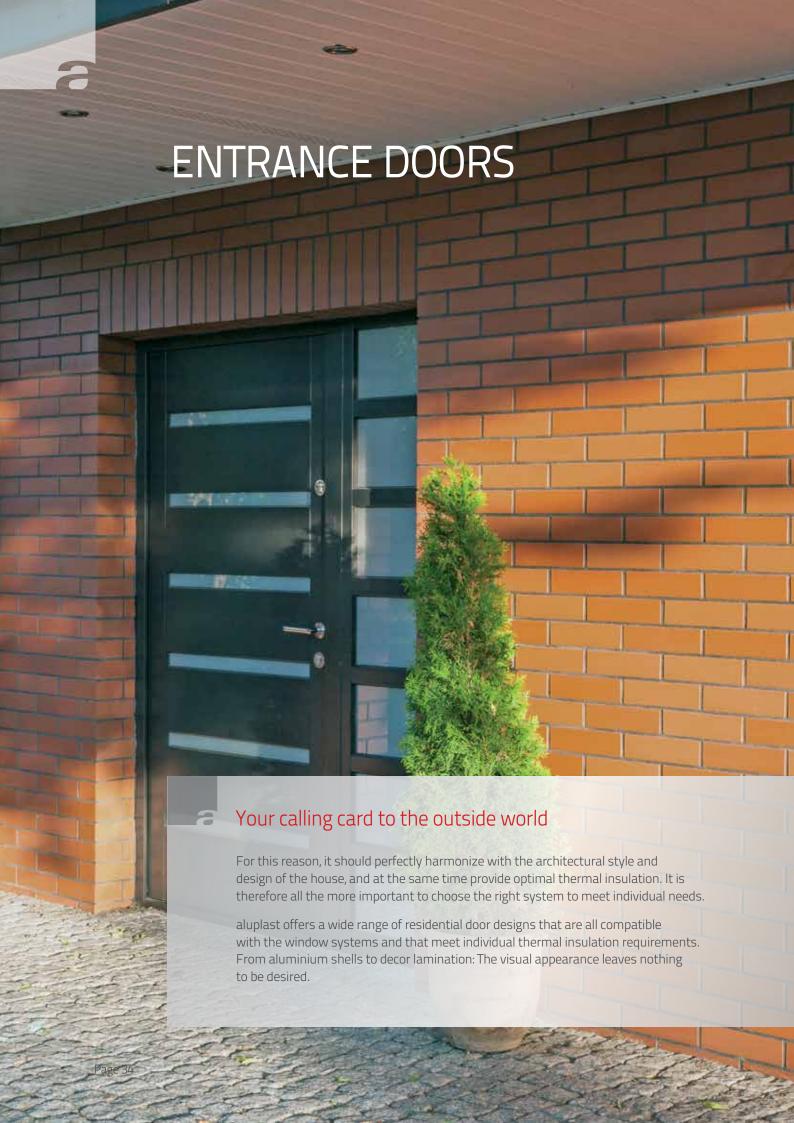




Nord-line

- U_f 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
- tested burglar resistance class RC2
- concealed drainage is possible
- 5-chamber system as a standard combination





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ENTRANCE DOORS SYSTEMS

Entrance door 70 mm

- U_f thermal transfer coefficient value: 1.5 W/m²K
- 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



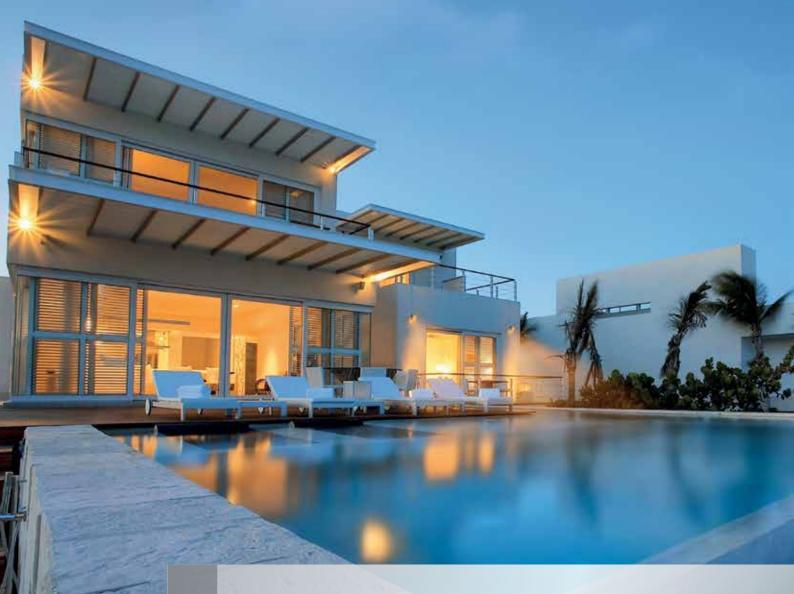


Entrance door 85 mm

- outstanding thermal insulation (U_f value of 1.2 W/m²K)
- 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



LIFT & SLIDE DOOR 85MM



Entering a new modular dimension

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 elements meeting only basic insulation requirements to passive house suitable lift-and-slide doors.

Whichever design you choose, the product visually harmonizes with the other aluplast systems and forms an appealing and harmonious image in your rooms.

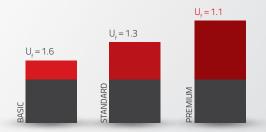


SLIDING SOLUTIONS

Lift & slide door

85 mm profile depth

- improved insulating properties
- threshold and guide rail according to module in either aluminium or GRP
- glass and panel thicknesses up to 51 mm possible
- integrated sealing for highest product quality
- available in numerous decor variations
- available with aluskin® aluminium shells





Stylish views

Enjoy the most beautiful views from your living spaces and let them brighten up your life. The aluplast sliding window series can be designed individually according to your needs and ideas.

Bring your own personal touch into your home and experience the new living comfort.



SLIDING SOLUTIONS

mono-rail

- Glazing thickness up to 8 mm
- unique sliding window solution with fixed and movable parts
- wide range of accessories available due to standardised 60 mm frame system
- integrated PVC interlock guarantees perfect tightness
- fanlights and different window combinations possible





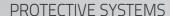
sliding window 60 mm

- glazing thickness up to 20 mm
- fine profile design
- Steel reinforcements inside the profiles ensure high stability even of large elements
- the use of appropriate security hardware guarantees perfect protection against burglary
- available in numerous decor variations

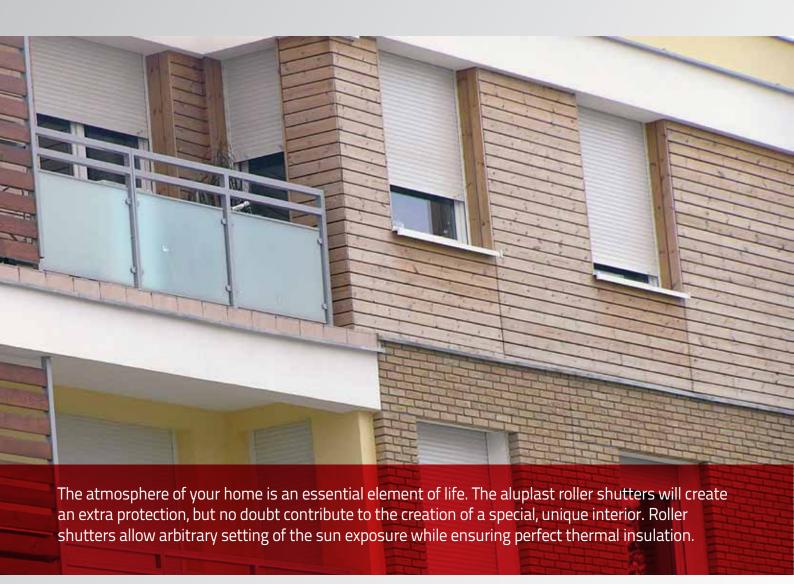
multi-sliding

- glazing thickness up to 32 mm
- extension profiles for multi-track sliding windows available
- excellent structural values allow for large elements
- aluminium threshold with integrated drainage system
- easy installation
- available in numerous decor variations





ROLLER SHUTTER SYSTEMS



Advantages of roller shutters

- Thermal insulation energy cost reduction:
 heating costs in winter, air conditioning in summer
- Acoustic insulation lower noise levels
- Protection of privacy effectively protect you against the prying eyes of the others
- Feeling of higher security

- Possibility of insect screen integration
- Unlimited possibilities of application in the houses, apartment buildings, trade and industrial buildings
- Wide colour range of aluminium (RAL palette) and PVC boxes (decor foils) allows for precise adaptation to the facade looks and colours
- Possibility of smart building systems integration



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 PVC, aluminum 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





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 PVC, aluminum 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

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 dismounted 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 PVC, aluminum and wood
- CAUTION Doesn't meet the requirements of EnEV 2014



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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





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 builings 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

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







RNK/F

- RNK/E based solution shutter intended for plastering both from inside and outside
- uPVC box and the guide rails
- Easily dismounted shutter slats
- Extraordinarily easy installation and stable construction
- Compatible with all aluplast profiles and profiles of other manufacturers made of PVC, aluminum and wood up to frame depth of 90 mm
- Wide range of decorative foils available
- Insulated box side covers
- Meets the requirements of EnEV 2014









Colorful DECORS

With numerous decor variations, the aluplast World of Colours allows you to individually design the façade. Naturally, all decor foils feature the new cool-colors technology that set new standards: This technology guarantees considerably improved performance characteristics as well as a longer life span of the surfaces. Cool-colors perfectly combine function and design: Their special patented pigments measurably reduce the surface temperature of laminated window profiles. Whether you prefer plain colours, wood texture design or lacquered surfaces - the energeto® colour range offers something for every taste.



aluskin® aluminium shells

The elegant appearance of aluminium is very en vogue these days. aluplast believes in the intelligent mix of plastic and aluminium. Covering uPVC 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.

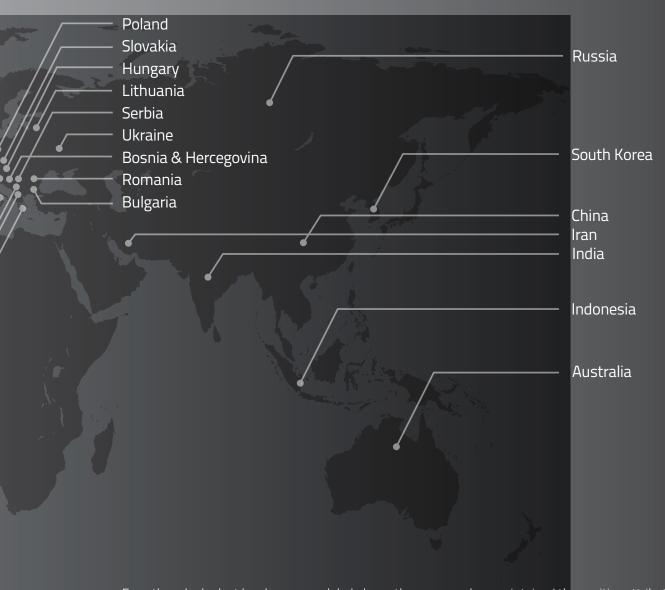
ALUPLAST INTERNATIONAL

Germany



Since 1982, the aluplast group has been developing, manufacturing and selling high quality, technologically advanced PVC window systems, rating among the biggest and most reputable brands in the industry.

After 30 years of activity, aluplast is an international company with 20 production plants and trade offices in six continents, employing approximately 1350 workers in more than 28 countries. Thanks to innovations, involvement and excellent communication between the divisions, the products designed in the aluplast headquarters in Germany are perfectly fitted to the specific requirements of every market we are present on. Constant investments in technological development guarantee the highest technical level of the offered solutions.



Even though aluplast has become a global player, the company has maintained the positive attributes that are characteristic for small companies. 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 ever-changing market requirements.

BETTER TOGETHER. STRONGER TOGETHER.

