

The logo for aluplast, featuring the brand name in a bold, lowercase, sans-serif font. The 'a' is red, and the rest of the letters are black. A registered trademark symbol (®) is located at the top right of the 't'.

aluplast®

A close-up photograph of a window frame with a natural wood-grain finish. The frame is shown in a corner, with the wood grain running vertically and horizontally. The background is a plain, light-colored wall.

Company and product portfolio

Specialist

for window and door systems

www.aluplast.net

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Editorial



aluplast - Shaping the future together

Dear readers,

Windows are more than just functional elements of a building - they bring light, warmth and life into every room. They create connections to the outside world, while at the same time offering protection and security. At aluplast, we understand the essential role that windows play in creating a cosy and energy-efficient home. Our mission is to develop window solutions that are technically convincing and have a long service life. Our profiles are architecturally appealing and impress with their timeless design - in short, they fulfil all the individual needs of house builders.

Since aluplast was founded in 1982 in Ettlingen near Karlsruhe, we have always focussed on offering our customers not only high-quality products, but also customised solutions. The requirements for modern window solutions have become more complex, and we are proud to respond to these challenges with innovative technologies such as bonding technology, foams and the development of customised system solutions.

Our neo system platform exemplifies our focus and commitment to delivering sustainable and versatile products. We have the platform that offers the solution for all the demands placed on today's window manufacturers - maximum design variety with minimum stockholding.

The success of aluplast is inextricably linked to the commitment and expertise of our more than 1,850 employees worldwide. Their creativity, knowledge and dedication are the driving force behind our innovative strength and the reason why we are recognised as an industry leader.

But we also know that we owe our success to our customers and partners. Over the years, this close and trusting collaboration has led to a number of successful projects. And we are all working to ensure that it stays that way in the future!

The Seitz family



Manfred J. Seitz, Dirk Seitz, Patrick Seitz
Owner and shareholder





Our philosophy...

Over the past 40 years, technology has advanced at an incredible rate. At the same time, customers today are no longer satisfied with standard solutions. aluplast has accepted this challenge: An early grasp of trends and currents as well as a constant willingness to innovate make it possible to act flexibly and extremely successfully. It is therefore no surprise to learn that we are known as a leading innovator in our industry. A claim that we want to live up to in the future as well.

That is why aluplast is building up an outstanding position – both in Europe and beyond. On an international scale, we are also one of the leading providers of plastic profile systems. Within 4 decades, aluplast has developed into a global player – 24 production and sales subsidiaries worldwide ensure us an excellent positioning in the market.

Innovative, yet down-to-earth. Open-minded, but regionally rooted. Extremely versatile and steady at the same time – this is aluplast. Despite its international success, aluplast still is a family-run business. The company, which now in its second generation, is characterised by flat hierarchies and short decision-making processes.

With increasing growth, the aluplast management was strengthened by Eric Bobay (CEO) and Arne Przybilla (CFO).

The entrepreneurial Seitz family, a team of committed and motivated employees, know-how certified since 1982 and pioneering ideas have created something special in the aluplast Group that runs through all areas of the company. "We at aluplast are well prepared for upcoming challenges and look forward to treading the path into the future together with you." (Dirk Seitz, Spokesman of the aluplast Holding Management Board).



The aluplast management (from left to right): Dirk Seitz, Patrick Seitz, Eric Bobay and Arne Przybilla



our recipe for success.

Innovation

Constant product development and innovation are important to the success of both the aluplast group and its cooperation partners. We analyse current market requirements to create new products that satisfy the demand and meet our customers' highest expectations. For this, we were awarded the TOP100 Award of the most innovative medium-sized companies for our innovative strength.

Flexibility

Even though aluplast has now become a global player, it has been able to retain the positive characteristics that are characteristic of small businesses. Flexibility remains one of our greatest strengths. Short communication channels and lean structures allow us to respond quickly to customer demands and market requirements.

Partnership

Our customers and partners are at the heart of everything we do. The company headquarters also maintains close partnership and cooperation with its many different production plants and sales offices all over the world. This enables it to make the most of synergies.

Compatibility

"Compatibility" is the secret ingredient in aluplast's recipe for success. But what does it actually mean? It means that all product ranges can be mixed and matched, making life a lot easier for window fabricators. The company's owners, the Seitz family, have cultivated this philosophy right from the outset, making sure that each new product lives up to this vision.

Milestones in aluplast's company history

Four decades of innovation leadership



2012 | Bonding and glazing robot

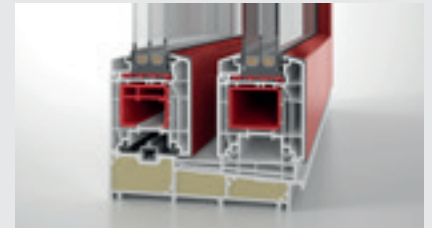
New technologies for efficient production processes through fully-automated bonding and glazing.

1982 | Birth of the innovation leader

aluplast GmbH is founded in October 1982 by Manfred J. Seitz. With 27 employees and a clear vision, he initiates the success story.

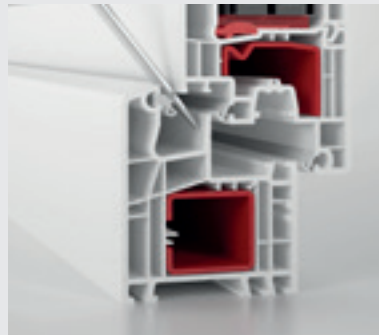
1996 | Introduction of the centre seal system

Prevents prising open – the ideal solution in the security sector.



2012 | Lift and slide door 85 mm

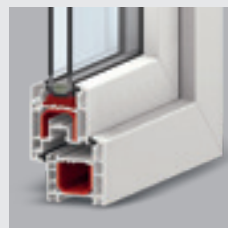
The only lift-and-slide door in the market that can be fabricated in three different designs according to the required thermal insulation properties – even with barrier-free threshold.



2008 | energeto®

With the steel-free, bonded system, aluplast has set new standards in window technology.

1995 | Compatibility of the systems



2005 | New Forum: Innovation Days

1989 | Introduction of the stop seal system



1982

1987

1992

1997

2002

2020 | energeto® 8000

Upgrade of the screw channel in the frame at 85 mm construction depth



2017 | vario-slide

2017 | smart-slide

2017 | Dark grey carrier

2021 | energeto® neo

Design meets technology - Design takes centre stage alongside technology. energeto® neo is characterised by extremely slim profile views and picks up on current design trends.

2016 | Multifold

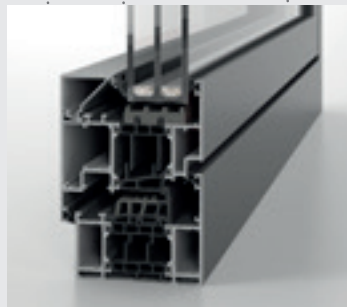
One sash that meets many requirements: Multifalz profiles can be glazed both conventionally or with the bonding inside technology.



2023 | neo smart-slide

2024 | Aluminium system aluplast one 75

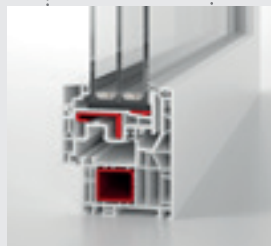
The new, innovative one 75-system comprises aluminium windows and doors, offers an alternative to PVC and interprets architectural trends with a visionary eye.



2015 | energeto® 5000 view

As the system with the concealed sash can be mass-produced, it holds an exceptional position in the market.

2024 | neo view



2014 | aluplast Marketing-Services



2025 | neo advance

Extends the neo platform and combines classic design with modern system technology.

neo platform



2007 • 2012 • 2017 • 2022 • 2025 • ...



Specialist for
windows and doors



Higher productivity

Fully-automated production with robots

New technologies for an efficient production process: In the new bonding and glazing robot, which is already being used in the aluplast technical centre, a robot arm picks up the pane from the glass frame and inserts it into the supplied sash frame. The adhesive is then applied in a fully automated process. After that, the sash can then be finished and can be either "married" to the frame or repositioned again.

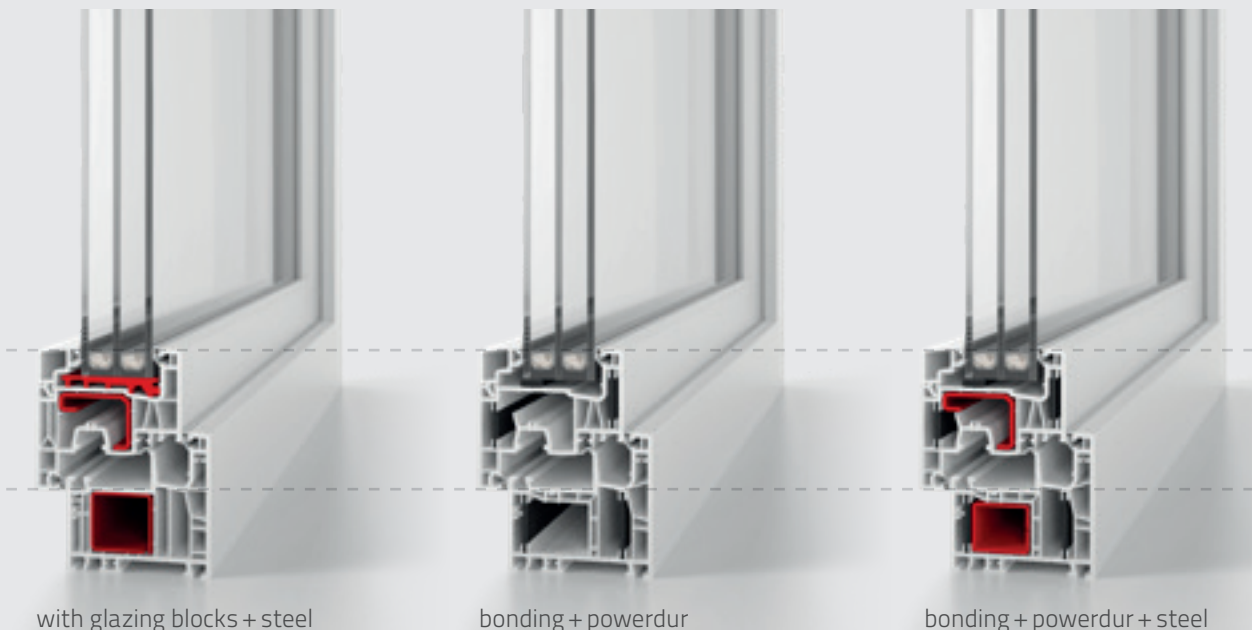
By bonding the sash before connection to the frame, we have increased the flexibility of the production process. For example, we can now supply the frame and sash separately.

Multifalz

The future of series production

One sash, three variants: Efficient product diversity is achieved by fabricators with the Multifalz sashes introduced to the market in 2016, which can be expanded and marketed in three variants: fixed, bonded or as energeto® windows - everything is possible with just one profile. Depending on the order, decide which production technique you want to use or combine. Meet all

your customers' needs and reduce warehousing costs at the same time. Multifalz, the profile with the multi-functional rebate, is the world's first profile that can be glazed either conventionally with glazing blocks, or by bonding the glass in the rebate, which helps fabricators to meet the many different needs of the customers.





bonding inside. A strong bond

As a pioneer in window bonding technology, we have the most experience in the industry.

It is not for nothing that the adhesive technology is inseparably linked with aluplast for many fabricators. Since 2007, we have been the driver in the industry for bonded window constructions.

The advantages were as obvious then as they are now: the adhesive creates an extremely strong bond between the pane and the sash. By this means, the high weight of the pane no longer rests on single glazing blocks but is distributed over the entire bonding surface. This prevents sinking of the sash so that no further maintenance for the fitter is required.

But that's not all: The gluing of the pane provides greater stability of the complete profile at the same time. When this method is used, there is at least in standard sizes there is no need for additional steel reinforcement inside the profile. In addition, the absence of steel eliminates the well-known thermal bridge and makes better thermal insulation values possible. Another advantage for the fitter: The profiles are up to 60 % lighter without steel.

We want to help spread these advantages further in the market, because bonded windows are simply better windows!



Long-term ease of use

In windows with bonding inside, the glass is glued firmly to the sash profile. As a result, the glass's weight rests evenly on the entire sash profile. This means that the window is more stable, no longer has a tendency to warp, and is a breeze to open and close, even after many years of use.



Optimum heat insulation

Your new window is not only more durable, it also provides better heat insulation: Thanks to bonding inside, windows no longer need to be reinforced with steel profiles. This eliminates the unfavourable thermal properties of steel, and makes sure the warmth stays where we want it to: inside the house. Windows with bonding inside record thermal insulation values much better than any conventional steel-reinforced window could achieve.



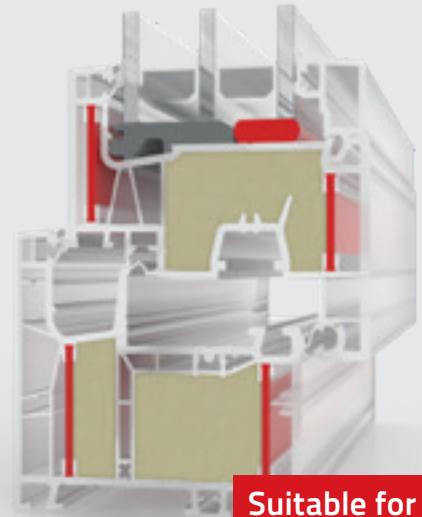
Added burglary protection

The adhesive provides an extra strong bond between the pane and the sash: the best way to prevent the sash from being pried open and also an essential requirement for burglary resistance class RC2.

foam inside*

Window technology at its best

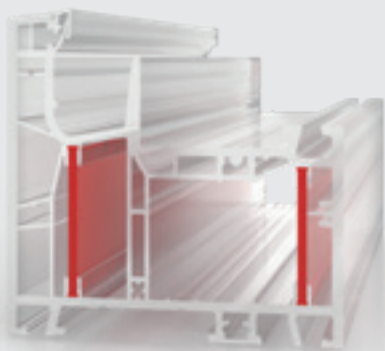
Impressive insulation values are made possible by foam inside technology. The profile chambers are filled with special polyurethane foam. The trick here: The material is injected into the frame after the welding process. The foam has the special property to cover long stretches through the profile by itself. Due to the expanding foam, the hollow chambers of the window frame are filled completely, up to the corners. The exact filling quantity is calculated by a software provided by aluplast. foam inside is completely recyclable, because unlike common construction foam, it does not stick to the other profile materials.



Suitable for passive houses thanks to innovative thermal insulation

powerdur® inside

For the best heat insulation



Reduce steel to a minimum or even eliminate it altogether - In cooperation with BASF, a special glass-fibre reinforced material was developed that provides the necessary stability inside the profiles and makes additional steel reinforcement unnecessary. Significantly better insulation values are achieved with powerdur, which is inserted directly into the profile at the factory.

The profiles are 100 percent recyclable. In state-of-the-art aluplast recycling plants, the granulated PVC can be separated accurately from the powerdur® material and fed back into the production cycle several times. We are also a founding member of Rewindo, the recycling initiative of German uPVC profile manufacturers for removed windows, roller shutters and doors made of uPVC.

safetec inside

A smart way to thwart attempted break-ins

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.



**Selected secondary profiles with standard foams ex works

energeto[®] neo

energeto[®] neo is characterised by extremely slim profile elevations and thus picks up on current design trends. There is a recessed version, which gives the window more spaciousness, and a flush version, for a uniform, closed look.

Compatibility and compatibility were at the forefront of the new development. That is why energeto[®] neo is just as suitable for large properties as it is for an architect's house. aluplast's innovative technical features guarantee heat insulation, burglary protection and easy operation at their best.

DESIGN MEETS TECHNOLOGY

energeto[®] neo

- $U_f = 1,00 \text{ W/m}^2\text{K}$
- $U_w = 0.73 \text{ W/m}^2\text{K}$ best possible option¹⁾
- woodec and aludec as standard lamination
- powerdur inside
- bonding inside
- Up to RC2 burglary protection
- Recessed version
- optional foam inside



bonding inside

powerdur inside



DESIGN MEETS TECHNOLOGY

neo prime

- $U_f = 1,2 \text{ W/m}^2\text{K}$
- $U_w = 0.73 \text{ W/m}^2\text{K}$ best possible option¹⁾
- woodec and aludec as standard lamination
- Up to RC2 burglary protection
- Recessed version

available with
safetec inside

bonding-ready



1) with triple glazing with $U_g = 0.4$ and $\Psi_{si} = 0.030 \text{ W/mK}$



CO₂ footprint

Saving energy, conserving resources, avoiding CO₂: energeto® neo is our resource-efficient system platform that already ensures a better eco-balance during production. With aludec and woodec - a perfect combination for indoors and outdoors! It has never been easier and more resource-saving to manufacture a uPVC window in wood/aluminium look!

Sustainable and recyclable 

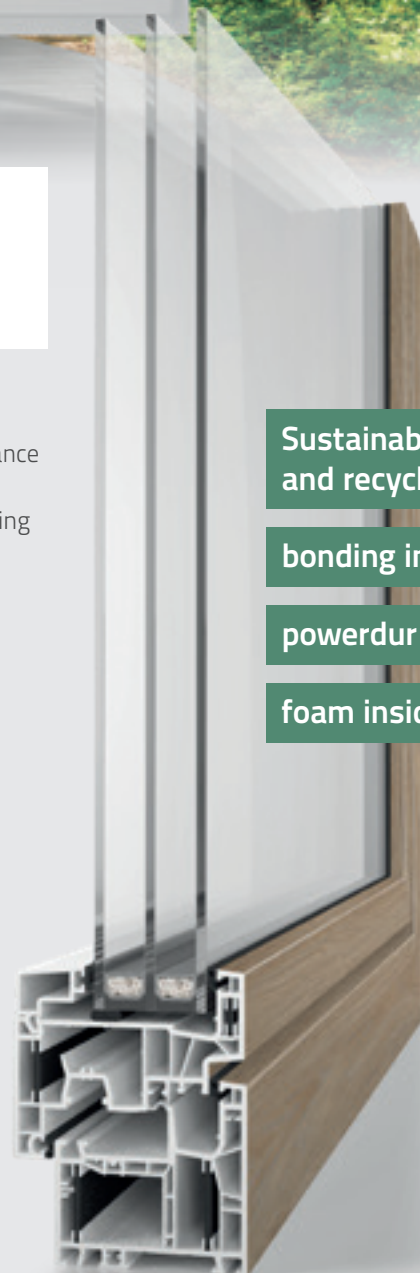
bonding inside

powerdur inside

foam inside

energeto® neo

- $U_f = 0,81 \text{ W/m}^2\text{K}$
- $U_w = 0,57 \text{ W/m}^2\text{K}$ best possible option¹⁾
- woodec and aludec as standard lamination
- powerdur inside
- bonding inside
- foam inside in sash and frame
- Up to RC2 burglary protection
- flush version
- Numerous laminations optional
- our technology highlight recyclable





DESIGN MEETS TECHNOLOGY

energeto[®] neo

- $U_f = 0,99 \text{ W/m}^2\text{K}$
- $U_w = 0,73 \text{ W/m}^2\text{K}$ best possible option¹⁾
- woodec and aludec as standard lamination
- powerdur inside
- bonding inside
- Up to RC2 burglary protection
- flush version



bonding inside

powerdur inside

1) with triple glazing with $U_g = 0.4$ and $\Psi_i = 0.030 \text{ W/mK}$

neo casement

Engineered in Germany, Designed for North America – uPVC Windows that outperform

The North American crank casement window is a timeless favorite, blending functionality with classic appeal. Known for its side-hinged design and easy-to-use crank mechanism, this window style opens outward to provide maximum ventilation and unobstructed views. Its popularity stems from its versatility – fitting seamlessly into both traditional and modern homes – while offering excellent energy efficiency when paired with quality seals and glazing. Homeowners love the smooth operation, low maintenance, and ability to catch breezes, making it a practical and stylish choice for enhancing comfort and curb appeal across the continent.

When German engineering enhances the North American crank casement window, you get a high-performance system that sets a new standard. Designed with precision, these windows achieve exceptional energy efficiency through advanced multi-chambered frames, triple-glazed options, and airtight sealing systems – perfect for tackling extreme climates. A standout feature is the innovative interior glazing process, where glass is installed from the inside rather than the outside, ensuring a tighter fit, enhanced security, and easier maintenance. This German ingenuity boosts thermal performance, slashes energy costs, and preserves the beloved crank design, delivering a sustainable, stylish upgrade for North American homes.

- construction depth of 3 3/8 inches (85 mm)
- nailing fin set-back from outside 1 1/4 inches (32 mm)
- flexible accessory groove allows for a wide-range of accessory attachments
- German profile design parameters and wall thickness standards
- nailing fin custom-made for high thermal and mechanical stress. For ease of new construction installation, it comes pre-punched
- best in class performance (wind-load, air and water tightness)
- designed to fit residential (R), low commercial (LC) and commercial windows (CW) classes in North America
- high structural performance with special steel reinforcements
- integrated fly screen channel, optimized for flexscreen®
- designed and tested for typical North American hardware brands
- U value frame = up to 1,0 W/m²K (0,18 BTU/h*ft² °F)
- U value window = up to 0,87 W/m²K (0,15 BTU/h*ft² °F) (with U glazing 0,6 W/m²*K)
- Models include: casement, awning and picture windows
- Designed for renovations/retrofitting as well as new construction.
- glass and infill thickness in the sash up to 46 mm
- available in numerous decor variants: woodec, aludec and Farbwelt



dark grey
base carrier

- Interior Glazing
- Superior Energy Efficiency
- High Static Performance with Steel Reinforcement
- European Wall Thickness Standards
- Smooth, Reliable Operation
- Maximum Insulation
- Extra rigid nailing fin
- modern and timeless cubic design
- dry glazed with triple seal and co-extruded gaskets

neo view

Discover neo view, our modular window system designed to meet individual needs, with a clear focus on design, light, and sustainability.

neo view: The newest addition to the neo platform, offers modular solutions for windows and doors. Its versatility allows for customization, while its minimalist design appeals to architects and builders alike. Featuring a slim 102 mm middle section and an aludec surface, neo view serves as a compelling alternative to aluminum windows. Fully recyclable, it is an environmentally friendly choice. The low profile, concealed sash, and partially plastered installation contribute to an almost frameless appearance, maximizing natural light in the room.





New level of elegance



Design

The neo view system blends seamlessly into modern architecture. The concealed sash meets the desire for narrow external views. With a slim centre section of just 102 mm, it allows for filigree interior design and, with its aludec finishes, offers a real alternative to aluminium windows.



Light

The very slim frame/sash combination allows 20 % more light into the room than comparable standard windows. The result is a brighter, more inviting room that is more comfortable to live in.



Security

The clever aluplast solution for added security. As the third seal in the window frame, the all-round fixed centre bar not only improves thermal insulation values, but also prevents the sash from being pried open quickly.



Environment

neo view is fully recyclable and, with its aludec finish, offers an environmentally friendly alternative to aluminium windows. It combines aesthetics and sustainability, making it an attractive choice for environmentally conscious builders.

Discover a new level of elegance

neo view

+ neo view sash + neo view frame

- $U_f = 1,0 \text{ W/m}^2\text{K}$
- $U_w = 0,81 \text{ W/m}^2\text{K}^{1)}$
- $U_w = 0,72 \text{ W/m}^2\text{K}$
best possible
variant²⁾

+ neo view sash + neo frame

- $U_f = 1,1 \text{ W/m}^2\text{K}$
- $U_w = 0,84 \text{ W/m}^2\text{K}^{1)}$
- $U_w = 0,67 \text{ W/m}^2\text{K}$
best possible
variant²⁾

▪ + neo view sash + neo threshold

- $U_f = 1,2 \text{ W/m}^2\text{K}$
- $U_w = 0,85 \text{ W/m}^2\text{K}^{1)}$
- $U_w = 0,68 \text{ W/m}^2\text{K}$
best possible
variant²⁾

- safetec inside (central web)
- up to RC2 burglary protection
- up to 48 dB sound insulation (sound insulation class 5)
- glazing with packages up to 64 mm
- available with a wide range of surfaces
- various carrier colours available
(white, dark grey, dark brown, ochre)
- concealed drainage is possible
- optional: bonding inside (adhesive technology)



+ neo view sash
+ neo view frame

1) with standard triple glazing $U_g = 0.6 \text{ W/m}^2\text{K}$ and $\Psi_{si} = 0.040 \text{ W/mK}$

2) with triple glazing with $U_g = 0.4 \text{ W/m}^2\text{K}$ and $\Psi_{si} = 0.030 \text{ W/mK}$



+ neo view sash
neo frame



+ neo view sash
neo threshold

The design solution for contemporary architecture

Alternative to costly aluminium windows

max. dimensions
1000 x 2500 mm (1-leaf)

20% more light than comparable windows

ready for bonding

new

neo advance - the extra class

With neo advance, we are expanding our neo platform with a design line that specifically meets the requirements of window manufacturers, architects and specialist dealers - and sets new standards in terms of flexibility, efficiency and aesthetics.

If you want to combine classic design with modern system technology, neo advance is the ideal solution - developed on the basis of partner feedback and with the aim of combining the best of both worlds.

Classic design - rethought

Deep overhangs, an elegant 15° slope and clear lines: neo advance brings familiar design to a new generation of systems.

The design is gently modelled yet striking - a stylish addition to the cubic look of the neo platform.

What makes neo advance special?

Combinability with neo prime makes the system particularly flexible - both visually and technically. Mullion and faceplate solutions can be used across all systems and many additional profiles are compatible. At the same time, it impresses with its well thought-out structure: maximum compatibility, simple installation and high insulation values.

More than just a window system - neo advance is your answer to increasing demands and a clear statement for quality made by aluplast.



neo advance

- $U_f = 1,00 \text{ W/m}^2\text{K}$
- $U_w = 0.83 \text{ W/m}^2\text{K}^{1)}$
- $U_w = 0.59 \text{ W/m}^2\text{K}$
Best possible variant²⁾
- woodec and aludec as standard lamination
- bonding inside.
- Up to RC2 burglary protection





**85 mm installation depth
for even better insulating
properties**

neo system compatible

**combines design and
function**

bonding ready

1) with standard triple glazing $U_g = 0.6 \text{ W/m}^2\text{K}$ and $\text{Psi} = 0.040 \text{ W/mK}$
2) with triple glazing with $U_g = 0.4 \text{ W/m}^2\text{K}$ and $\text{Psi} = 0.030 \text{ W/mK}$



energeto[®] range

Top of its class Discover the exceptional features of a window that sets new standards. aluplast's innovative technologies ensure top-level thermal insulation, burglary protection, and user-friendly operation.

With conventional windows, the thermal weak point lies in the steel reinforcement, which conducts the valuable thermal energy to the outside. The answer from aluplast: energeto, the revolutionary steel-free window system. A special material called powerdur replaces the steel and massively improves the thermal insulation. The heat stays exactly where it is needed: inside the house. Good for your home. Kind to the environment.

In addition, energeto also offers solutions with a construction depth of 70 mm (energeto 4000) and a variant with 2 sealing levels (energeto 7000). You will find the right window for every requirement, combining maximum energy efficiency and comfort.

- powerdur inside (fibreglass-reinforced uPVC profiles)
- bonding inside (bonding technology)
- safetec inside (solid centre gasket web)
- Up to RC2 burglary protection
- Up to 46dB sound insulation (sound insulation class 5)
- up to 52 mm glazing (up to 60 mm possible with semi-offset sash) (energeto[®] 8000)
- Available in numerous decor variations
- available with aluskin[®] aluminium shells
- surface offset, semi-surface offset and classic-line variant
- Concealed drainage is possible
- optional foam inside (foamed profile) for ift passive house certification





energeto® 4000

- 70 mm construction depth
- $U_f = 1,1 \text{ W/m}^2\text{K}$
- $U_w = 0,92 \text{ W/m}^2\text{K}^{1)}$
- $U_w = 0,69 \text{ W/m}^2\text{K}$
Best possible variant²⁾

energeto® 7000

- 85 mm construction depth
- $U_f = 1,0 \text{ W/m}^2\text{K}$
- $U_w = 0,90 \text{ W/m}^2\text{K}^{1)}$
- $U_w = 0,68 \text{ W/m}^2\text{K}$
Best possible variant²⁾

energeto® 8000

- 85 mm construction depth
- $U_f = 1,00 \text{ W/m}^2\text{K}$
- $U_w = 0,87 \text{ W/m}^2\text{K}^{1)}$
- $U_w = 0,65 \text{ W/m}^2\text{K}$
Best possible variant²⁾



1) with standard triple glazing $U_g = 0,7 \text{ W/m}^2\text{K}$ and $\text{Psi} = 0,040 \text{ W/mK}$

2) with triple glazing with $U_g = 0,4 \text{ W/m}^2\text{K}$ and $\text{Psi} = 0,030 \text{ W/mK}$



IDEAL range

Proven millions of times, continuously refined, and used around the world – the IDEAL window series stands out for its quality and design versatility, and is sure to impress you too.

The tried-and-tested IDEAL system can be installed not only in windows, but also in balcony doors and patio doors, offering you all the advantages of this system family.

- Up to RC3 burglary protection
- Up to 48 dB sound insulation (sound insulation class 5)
- up to 51 mm glazing (IDEAL8000®)
- Available in numerous decor variations
- available with aluskin® aluminium shells
- offset, semi-offset and classic-line and round-line versions
- concealed drainage is possible
- Optional: bonding inside (adhesive technology)





IDEAL 4000®

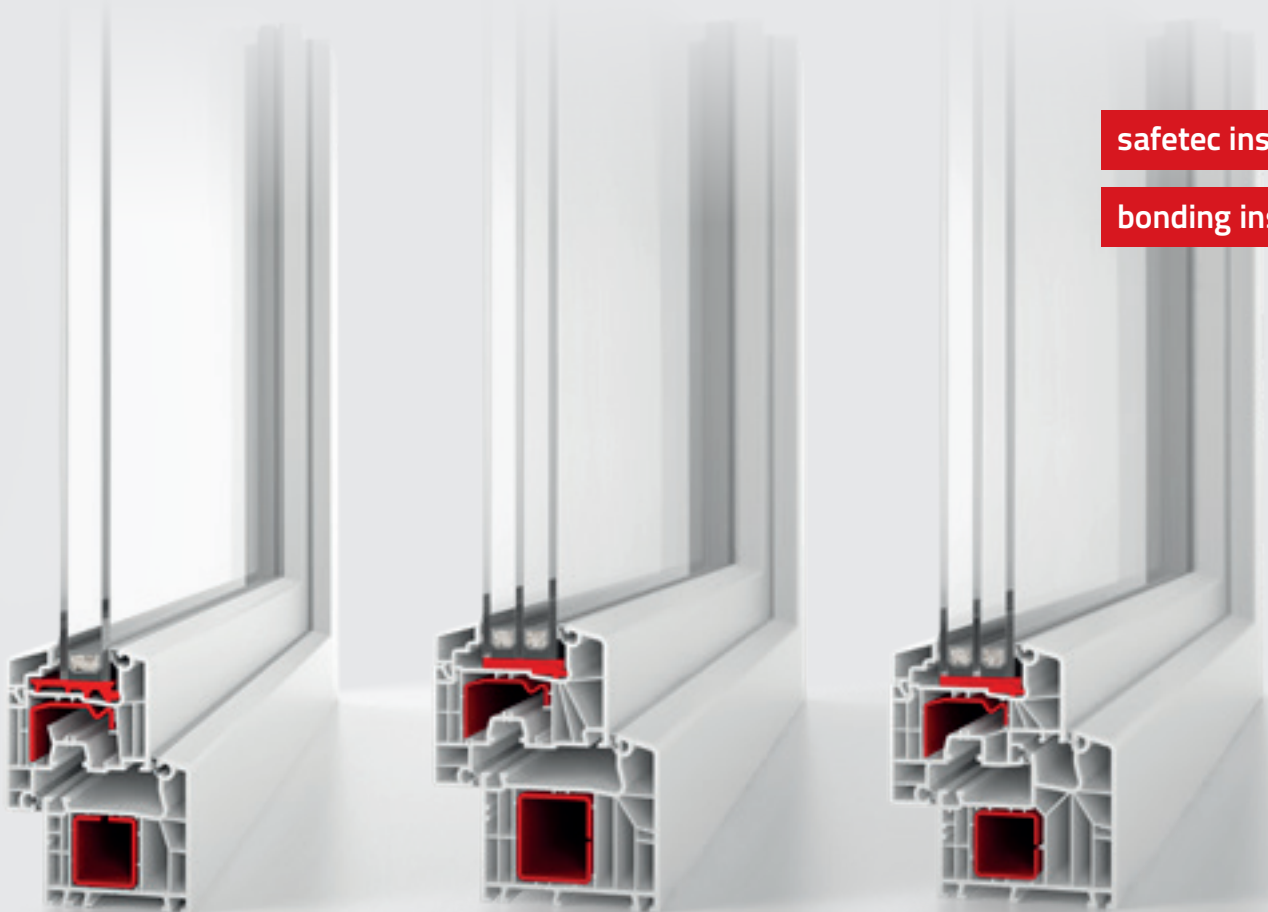
- 70 mm construction depth
- $U_f = 1,3 \text{ W/m}^2\text{K}$
- $U_w = 0,99 \text{ W/m}^2\text{K}$ 1)
- $U_w = 0,76 \text{ W/m}^2\text{K}$
Best possible variant²⁾

IDEAL 7000®

- 85 mm construction depth
- $U_f = 1,1 \text{ W/m}^2\text{K}$
- $U_w = 0,86 \text{ W/m}^2\text{K}$ 1)
- $U_w = 0,70 \text{ W/m}^2\text{K}$
Best possible variant²⁾

IDEAL 8000®

- 85 mm construction depth
- $U_f = 1,0 \text{ W/m}^2\text{K}$
- $U_w = 0,83 \text{ W/m}^2\text{K}$ 1)
- $U_w = 0,67 \text{ W/m}^2\text{K}$
Best possible variant²⁾



safetec inside

bonding inside.

1) with standard triple glazing $U_g = 0,6 \text{ W/m}^2\text{K}$ and $\Psi_i = 0,040 \text{ W/mK}$
 2) with triple glazing with $U_g = 0,4 \text{ W/m}^2\text{K}$ and $\Psi_i = 0,030 \text{ W/mK}$

new



aluplast one 75

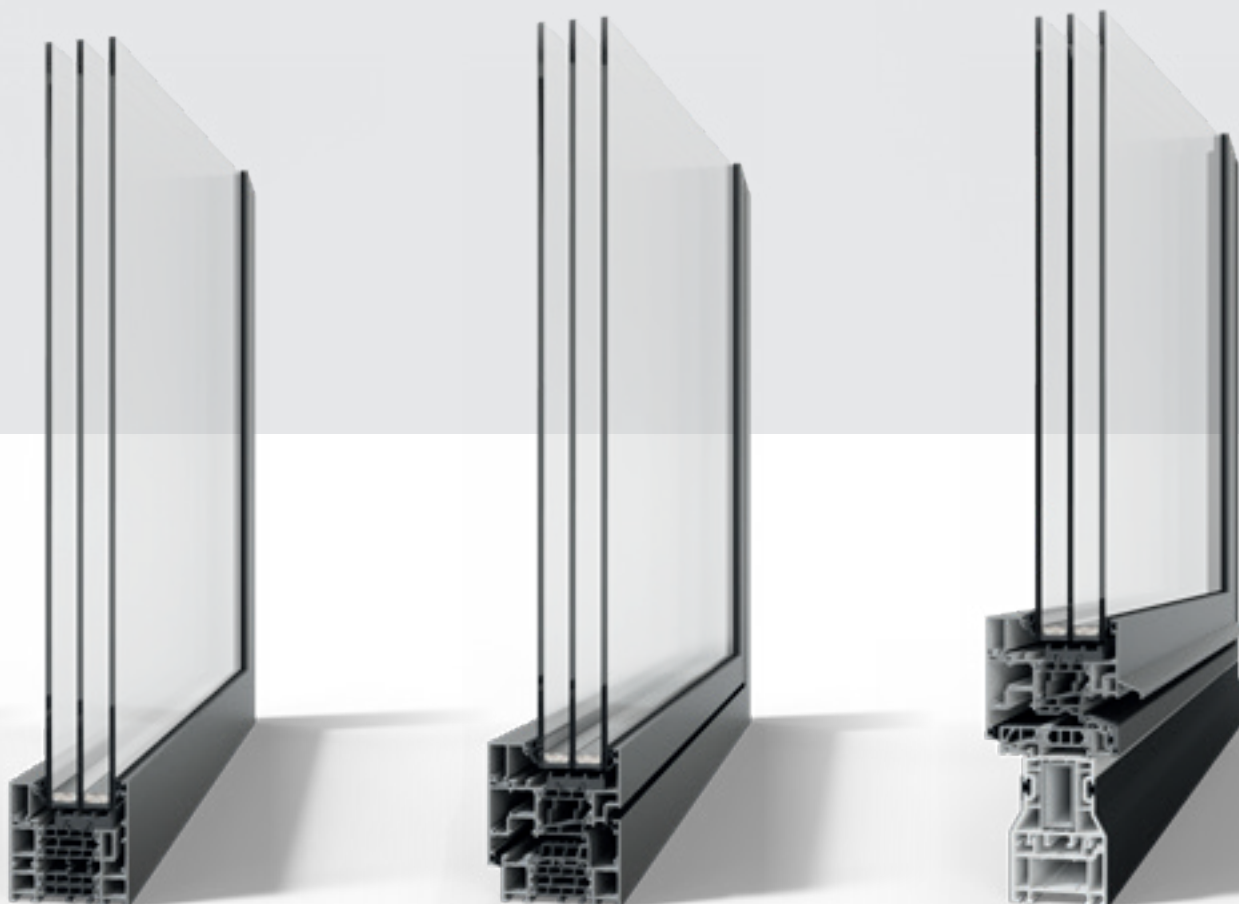
PVC or aluminium? aluplast can now do both!

aluplast can now also do aluminium. With **aluplast one75**, we presented an aluminium system for the first time at the trade fair. The system arose from our customers' desire to have an alternative in the form of aluminium windows and doors in our range alongside PVC. True to the motto: one supplier, one contact, many more options.

'**The name aluplast has now come full circle,**' is how aluplast founder Manfred J. Seitz aptly describes it. But aluplast one75 not only closes the circle of names, it

also closes the circle of design. Inspired by current architectural trends, we are staying true to the design direction we took with the neo platform: slim profile elevations, generous window sizes and a clear, cubic aesthetic.

For the first two products, we have deliberately opted for standard construction depths in order to cover a wide range of applications.





main entrance door

First impressions count



The entrance door is the centrepiece of your home. It should therefore fit in perfectly with the architecture and design of the building, while at the same time offering excellent thermal insulation. This makes it all the more important to choose the right system. aluplast offers numerous designs, all of which are compatible with the window systems and fulfil the special requirements for thermal insulation. Whether aluminium cladding or decor: no wishes remain unfulfilled when it comes to appearance.

neo front door

- $U_f = 1,2 \text{ W/m}^2\text{K}$
- $U_d = 0,94 \text{ W/m}^2\text{K}^{1)}$
- $U_d = 0,78 \text{ W/m}^2\text{K}$ best possible option²⁾
- Up to RC2 burglary protection
- The backstop gasket system allows for the use of robust and strong striker plates
- Large steel-reinforcement chamber for high stability
- Up to 52mm glazing / panel
- Recessed version
- Weldable corner connectors for extra stability
- Many decor variations available
- available with aluskin® aluminium shells
- Concealed drainage is possible





70 mm front door

- 70 mm construction depth
- $U_f = 1.4 \text{ W/m}^2\text{K}$
- $U_d = 1.1 \text{ W/m}^2\text{K}^{1)}$
- $U_d = 0.88 \text{ W/m}^2\text{K}$ best possible option²⁾
- Up to RC2 burglary protection
- Up to 42 mm glazing / panel
- Recessed version, roundline version
- Weldable corner connectors for extra stability
- Many decor variations available
- available with aluskin® aluminium shells
- Concealed drainage is possible

85 mm front door

- 85 mm construction depth
- $U_f = 1.3 \text{ W/m}^2\text{K}$
- $U_d = 0.94 \text{ W/m}^2\text{K}^{1)}$
- $U_d = 0.80 \text{ W/m}^2\text{K}$ best possible option²⁾
- Up to RC2 burglary protection
- The backstop gasket system allows for the use of robust and strong striker plates
- Large steel-reinforcement chamber for high stability
- Up to 51 mm glazing / panel
- Recessed version
- Weldable corner connectors for extra stability
- Many decor variations available
- available with aluskin® aluminium shells
- Concealed drainage is possible



Special sash for leaf-enclosing filling

1) with standard triple glazing with $U_g = 0.6$ and $\Psi_i = 0.040 \text{ W/mK}$
 2) with triple glazing with $U_g = 0.4$ and $\Psi_i = 0.030 \text{ W/mK}$

lift-slide

It doesn't get any better: the 85 mm lift-and-slide door from aluplast impresses with its high energy efficiency and user-friendliness: even at its maximum size of 6.50 m x 2.80 m, the door can be opened and closed without effort and ensures a smooth and barrier-free transition to the outside. It has been tested under extreme conditions: whether it is driving rain, storms or any other extreme weather conditions: the aluplast lift-and-slide door keeps everything out.

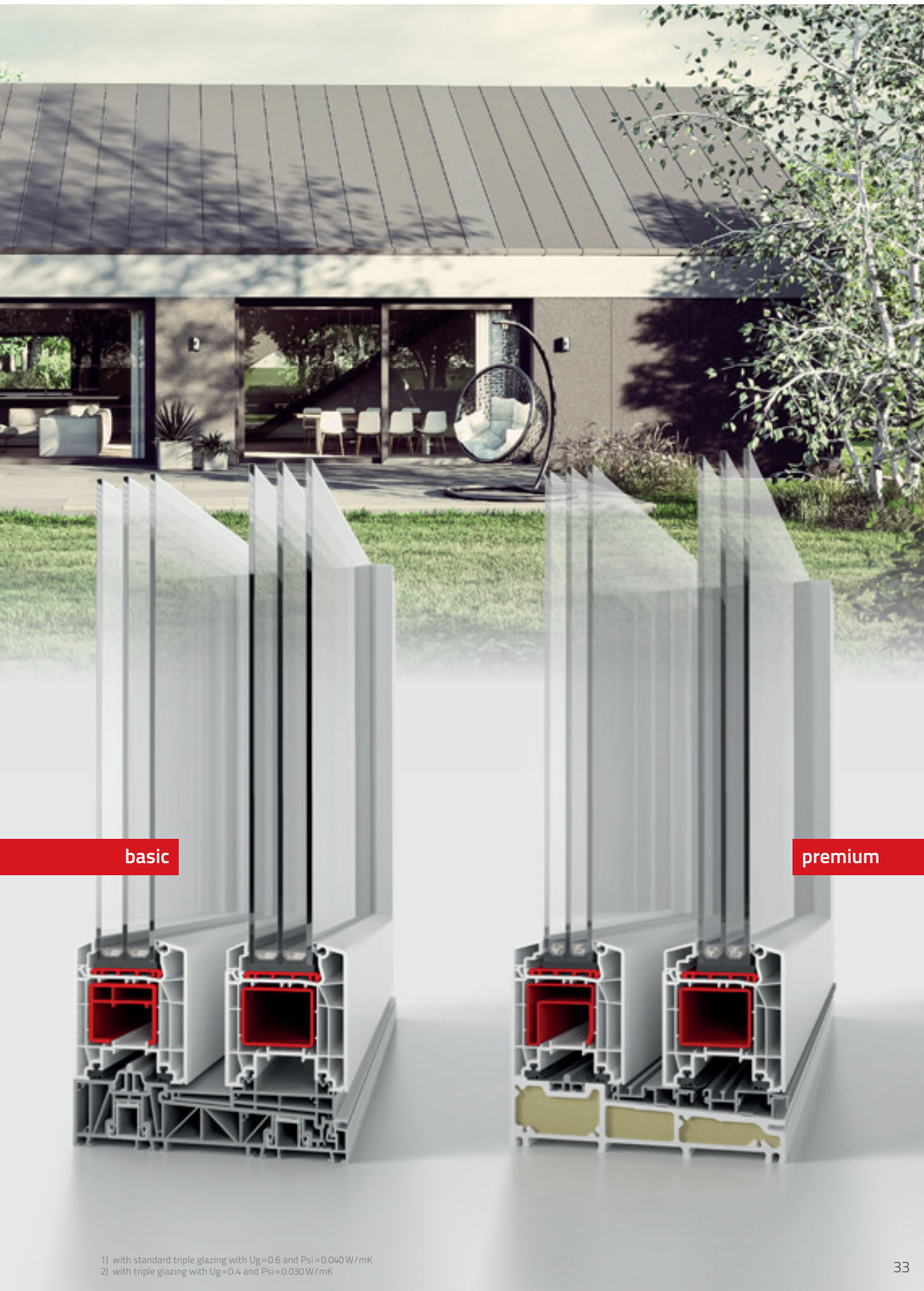


lift-slide

85 mm construction depth

- Up to RC2 burglary protection
- Up to 45 dB sound insulation (sound insulation class 4)
- Up to 52 mm glazing
- Available in numerous decor variations
- available with aluskin® aluminium shells
- Concealed drainage is possible
- Barrier-free option
- fixframe option





basic

premium

1) with standard triple glazing with $U_g=0.6$ and $\Psi_i=0.040\text{W/mK}$
2) with triple glazing with $U_g=0.4$ and $\Psi_i=0.030\text{W/mK}$



lift-slide

Enter a new modular dimension

The modular system is a breakthrough in this segment: One system allows for the fabrication of three different products with different thermal insulation properties. From basic requirements to passive-house suitable solutions.

Regardless of the product you finally choose, it will always match the design of other aluplast systems - for a wonderful and harmonious appearance of your home.

Harmonious appearance

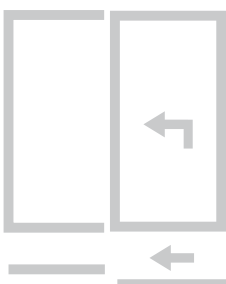
Choose from countless decor foils and aluminium shells to match your windows to the design of the building and create a place where you can truly feel at home.

Technology that stands out

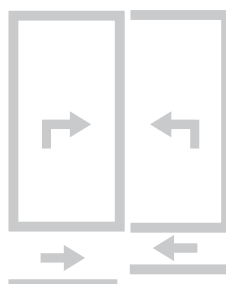
Outstanding verified values in terms of wind and water tightness, burglary resistance and acoustic insulation even at maximum sizes - unique in the field of lift-and-slide doors!

Opening schemes

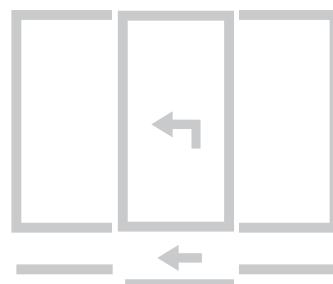
Scheme A



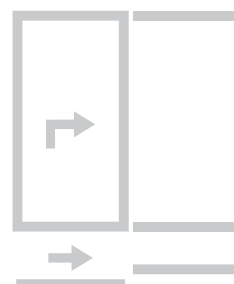
Scheme D



Scheme G



Scheme K





Barrier-free? Sure!

The goal: absolute freedom of movement for all those who are restricted in their mobility. Therefore, the 85mm lift-slide door is also available in a barrier-free version. The door frame, which visually looks like a continuous floor, now includes a flat threshold for a comfortable,

obstacle-free transition from indoors to outdoors. It's easy to open and close - even with very large elements.

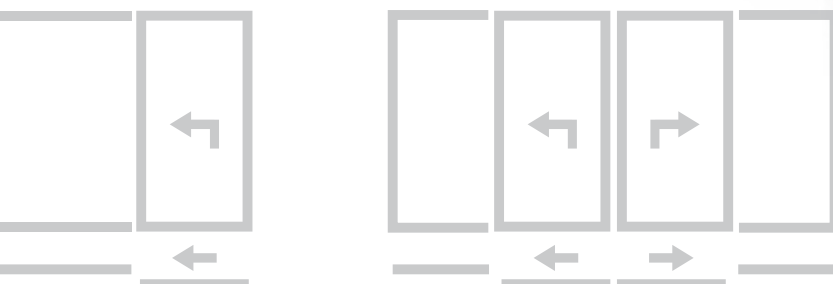
The lift-and-slide door with barrier-free threshold fulfills the requirements required by DIN 18040 "Barrier-Free Construction".

Fixframe - Unique views

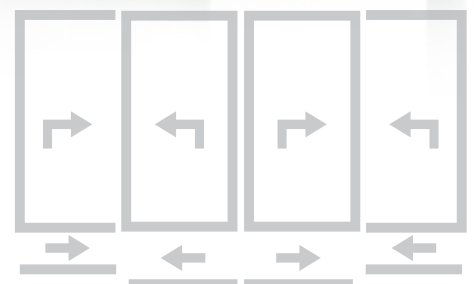
A particularly slim profile in the fixed glazing ensures an even higher incidence of light into your living spaces - for high living quality and additional solar heat gains!



Scheme C



Scheme F

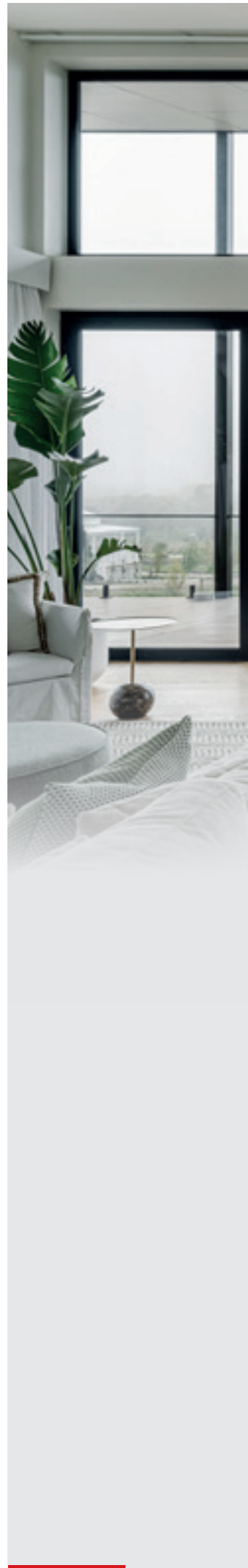


neo smart-slide

Smooth Sliding, Beautiful Living

Seamlessly connecting your interior living space with the outdoors, the neo smart-slide features a sleek, modern cubic design that enhances any architectural style. Its expansive glass panels – available in sizes up to 6.0m x 2.5m – offer unobstructed, panoramic views.

But the neo smart-slide isn't just a visual highlight. It also excels in functionality. Smooth gliding, intuitive operation, and a convenient self-closing mechanism make it effortless to use. Minimal effort, maximum sealing performance – elegance meets engineering.





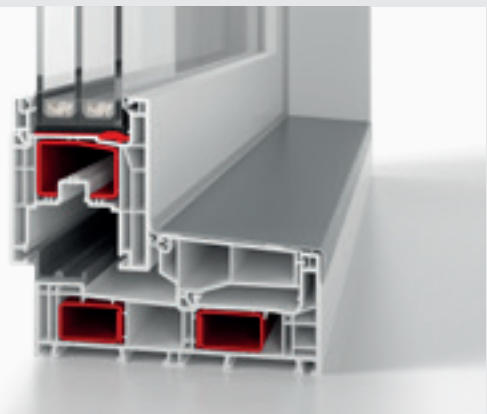
Fixframe – openwork panorama

The exceptionally narrow profile provides even more light incidence in your living space and thus additional solar heat. smart-slide neo reduces your heating costs and improves your carbon footprint!



Step protection – robust solution

The additional cover profile at the base of neo smart-slide offers reliable protection against scratches, impacts, and everyday wear. This durable step protection is not only highly resistant but also easy to clean—ensuring your sliding door maintains its sleek appearance for years to come.







The smart sliding solution
in a modern cubic design.

neo smart-slide

- low installation depth of 78mm or 154 mm
- $U_f = 1,3 \text{ W/m}^2\text{K}$
- $U_f = 1,2 \text{ W/m}^2\text{K}$ best possible option²⁾
- glass and infill thickness in the sash up to 54 mm (2- to 3-fold glass) possible
- integrated hardware technology (hardware neutral)
- more safety through additional locking points
- selection of opening mechanisms: schema A + C + K
- available in numerous decor variants: woodec, aludec and Farbwelt
- option: bonding inside (adhesive technology)
- application: New construction/renovation



aludec jet black
surface

1) with standard-triple-glazing with $U_g=0,7$ and $\Psi_{si}=0,040 \text{ W/mK}$
2) with triple-glazing with $U_g=0,4$ and $\Psi_{si}=0,030 \text{ W/mK}$

smart-slide



Really quite smart

Good news for you and your customers: the new smart-slide door has top values for heat insulation, statics and sealing, and is impressively easy to operate ... and what's more, it can be manufactured in just a short construction time.





Excellent
sealing



Convenient
self-closing

- Small construction depth of 70 mm
- $U_f = 1,3 \text{ W/m}^2\text{K}$
- $U_f = 1,4 \text{ W/m}^2\text{K}$ best possible option²⁾
- Glazing and panel thickness up to 42 mm possible (single- to triple-glazed)
- Modern classic-line design
- Concealed hardware technology
- Selection of opening mechanisms: schema A + C + K
- Available in numerous decor designs
- Optional bonding inside (adhesive technology)



new

Sliding systems

The elegant connection between indoors and outdoors

Enjoy stunning views from the comfort of your home – and let the light in. The aluplast sliding window series can be tailored to your personal design preferences, allowing you to add your own unique touch to your living space. Experience a whole new level of comfort.

The vario-slide system offers exceptional flexibility! Much like a modular system, it lets you choose from various components to create a custom sliding door – perfectly aligned with your customers' ideas and expectations.



aero-slide

- 85 mm installation depth (50 mm sash depth)
- with custom-made aluminium cover
- with reliable aluminium and stainless steel runners
- Frame with many connecting and widening profiles
- woodec and aludec surfaces possible
- Intermediate profile with integrated seal to improve thermal insulation and airtightness
- Optional: bonding inside (adhesive technology)



vario-slide

- Small construction depth of 70 mm
- available as 2- or 3-track version
- woodec and aludec surfaces possible and numerous decorative foils available
- concealed drainage and aeration is possible
- Optional bonding inside (adhesive technology)
- Windows and doors can be built
- Frame with many connecting and widening profiles
- stable interlock with aluminium
- Excellent statics for high elements

multi-slide

- Glazing thickness up to 34 mm
- Extension profiles for multi-track guide rail available
- Co-extruded gaskets
- Excellent structural values allow for large elements
- Aluminium threshold with integrated drain function
- Easy installation

easy-slide

- Glazing thickness up to 20 mm
- Elegant design
- Exchangeable gaskets
- Steel reinforcement can be integrated into both frame and sash to ensure excellent structural values



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 yet controlled flow of air.

precise airflow control

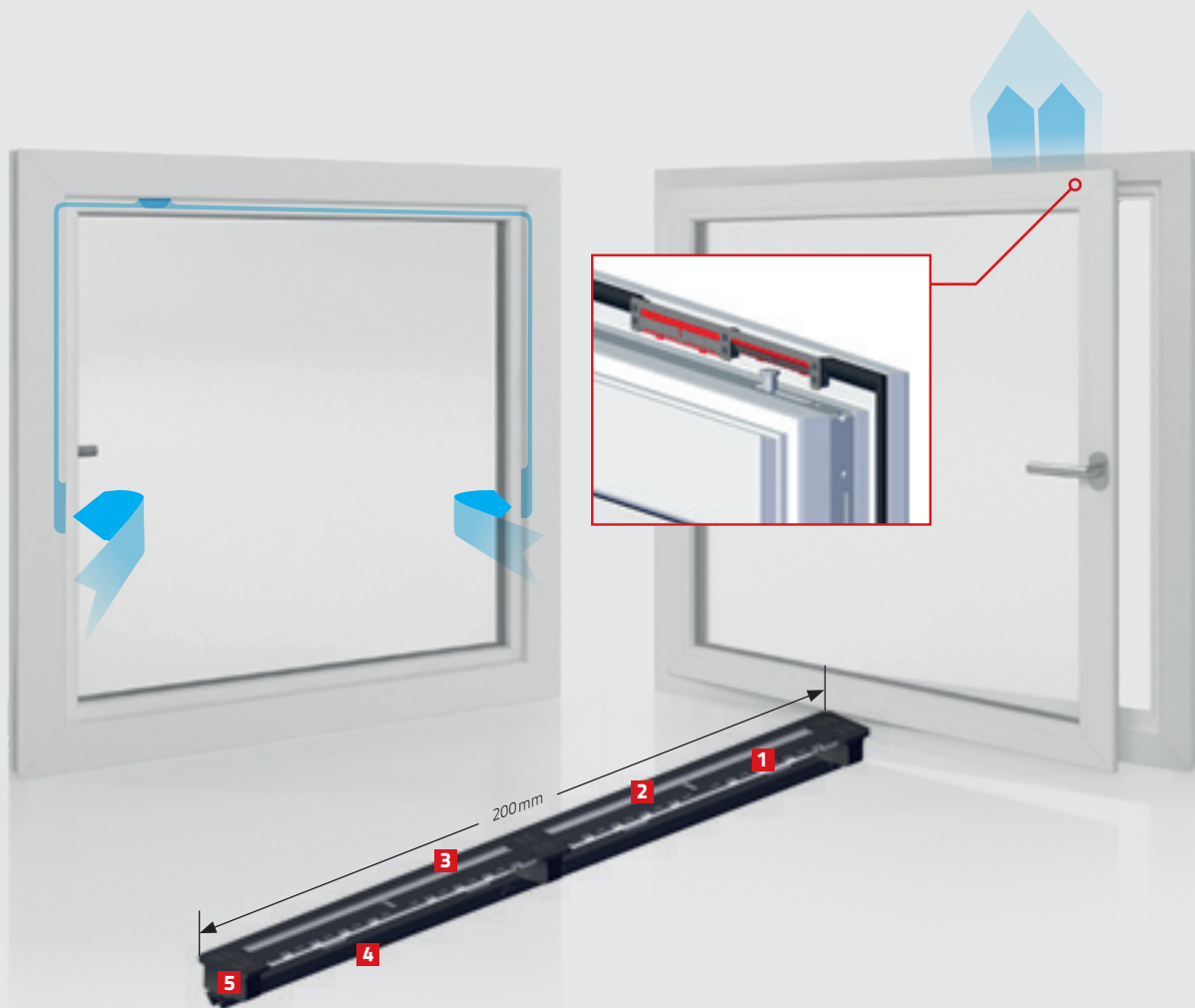
These simple and highly effective systems create a pleasant atmosphere in your home and guarantee stress-free living when it comes to mould.

Your house can be attacked 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
- Tested sound insulation up to class IV/44 dB
- Ventilation for moisture protection according to DIN 1946-6 standard possible
- Meets the requirements of the German Energy Saving Ordinance (EnEV)
- for rebate and centre gasket systems (IDEAL 4000®, IDEAL 7000®, IDEAL 8000® as well as energeto® 4000, energeto® 7000 and energeto® 8000) as well as all neo systems.
- independent of fitting types
- inconspicuous for the eye - is placed at the top of the window sash, above the head height



- 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.



woodec

inspired by nature

An astonishing wood look and a unique feel, combined with all the advantages of a uPVC window: this is what the new, impressive woodec side facing for aluplast window and door systems offers. Use this advantage for yourself and your customers!

Windows as individual as your style

Not only wall paint, furniture and decoration make up the ambience in a house. Increasingly, windows are also becoming an integral part of interior design and spatial planning.

Two main directions determine the design: the natural look of wood and the noble aluminium look. Both trends are taken up by the woodec and aludec surfaces.

An astonishing wood effect and unique feel, together with all the advantages of a uPVC window: that's what

you get with the new woodec window surface. It is not only visually oriented towards the natural material, woodec also feels particularly real and can hardly be distinguished from real wood.

Development and design were influenced by the Scandinavian countries. Lots of wood, simple shapes, straightforward designs and warm colours characterise the Scandinavian furnishing style and make it so popular.

sheffield oak concrete

turner oak toffee

turner oak walnut

turner oak amber

turner oak malt

sheffield oak alpine

aludec anthracite grey

aludec DB703



aludec

inspired by style

Perfect aluminium look with a pleasant feel: aludec offers the high-quality look of an aluminium shell combined with easy processing and a pleasant feel.

A perfect combination for indoors and outdoors!
It has never been easier and more resource-saving to manufacture a uPVC window in wood/aluminium look!

A perfect combination for indoors and outdoors!



Looks and feels real
Perfect texture and grain that can be seen and felt.



Resource-saving
Saves the resources wood and aluminium and can be 100 percent recycled.



Simple elegance
The colours have been carefully selected - Inspired by the Scandinavian interior style.



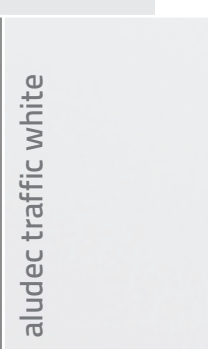
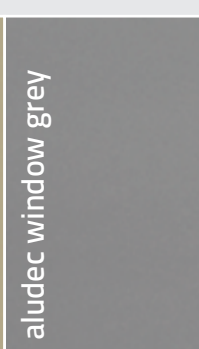
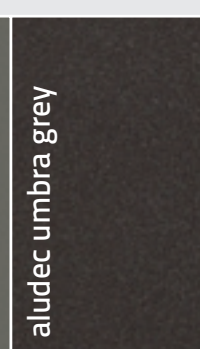
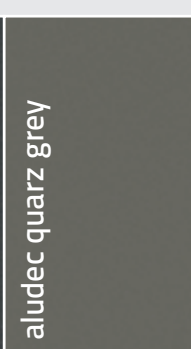
Scratch-resistant
Up to 10 times more scratch-resistant than a standard decor.



Versatile
aludec and woodec can be combined in many colours. They can be used indoors and outdoors.



Easy to clean
Easy cleaning of the surfaces - warm water and mild cleaners are enough.



aludec jet black

aludec basalt grey

aludec quarz grey

aludec umbra grey

aludec noir 2100

aludec fango

aludec window grey

aludec traffic white



Pure elegance in anthracite

Dark grey carrier for pure elegance

Score points with your customers with an unusual design variant: aluplast offers boundless elegance from every perspective with a carrier in anthracite with decorative film so that a uniform look is created even when opening the windows. The dark grey carrier is available to all common systems.

cool-colors technology



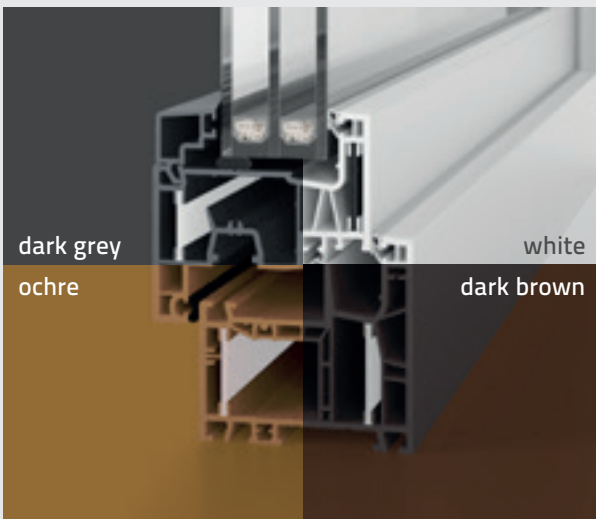
Dark laminations stay cool

The innovative cool-colors technology from aluplast protects window frames from overheating and preserves color brilliance even under intense sunlight. This ensures that your windows remain colorful and vibrant for years, giving your home a lasting elegance.



Laminations for an individual look

Do you like wooden windows but you don't want to repaint them every few years? Combining the natural look of wooden windows with the easy-care properties of PVC, aluplast wood finish designs are the perfect solution.



Diverse Base Colors for a Harmonious Color Selection

Impress your customers with a wide range of design possibilities: In addition to the elegant dark grey, aluplast also offers window base colors in white, ochre, and dark brown. These color options allow you to give each room a unique touch and perfectly integrate into various interior styles.



Jet black is the
new black



Setting new trends

The little black dress or all black - what has been a classic in fashion for decades is now also becoming increasingly popular in interiors. Monochrome, tone-in-tone living spaces have a relaxing and calming effect.

Black furniture and accessories give rooms a refined and puristic look. It lets other colours shine and yet does not dominate, but remains in the background – simple, plain and cool.

We at aluplast have also taken up this trend for our window profiles. The new and high-quality Jet-Black surface not only suits the monochrome black furnishing trend of Bauhaus-style inspired buildings, but also as a supporting element for large-scale glass façades in urban environments.

The new surface is scratch-resistant and easy to clean. And the patented Cool Colors plus technology prevents heat from being absorbed by the surface due to solar radiation and prevents the profiles from heating up.





Green world

Sustainability and eco-management

Looking after our planet is the only option! And we are proud that our energy-saving windows help contribute to this. Anyone trying to reduce energy consumption in buildings has to start with the windows. Thanks to our innovative technology, you can count on our window systems with some of the best insulation figures around – all the way up to passive-house standard.



An ecologically sound production process and a sustainably designed workplace form a crucial part of the aluplast eco guidelines, which are reflected in our environment-friendly products.

For our Eco-Management system, we are certified according to ISO 50001. We have been able to significantly cut our energy consumption by introducing a new, highly-efficient compressed-air screw compressor, streamlining the energy consumption of production lines and applying a range of other measures. This means that our production facilities now have the lowest energy consumption figures in Europe.

Designed with recycling in mind

We'll start with the good news: PVC can be recycled up to seven times without any compromises in terms of material quality. We began thinking about recycling a long, long time ago. We not only helped to drive towards the creation of Rewindo – an association dedicated to window recycling where uPVC window fabricators make

a voluntary commitment to sustainable business – we have also invested heavily in recycling facilities for our Karlsruhe site. When we start developing our innovative products, we factor in recycling right from the outset. Take our energeto® windows, for instance: all of their materials can be separated with ease and then recycled.

The raw materials used for our window profiles are based on a calcium-zinc chemical stabiliser that is strictly lead-free. With this eco-friendly stabiliser and our involvement in "VINYL 2010" (which implies the use of recycled materials in our plastic profiles, among other things), aluplast offers window systems that can be fabricated and recycled in an ecologically sound way.

Responsibility towards people and the environment

aluplast assumes responsibility for people and the environment and, together with its customers and partners, contributes actively to the protection of our natural environment.



Prese

ap cycle



oving recyclable materials ...

ap-cycle is the **aluplast GmbH**'s recycling initiative for removed PVC windows, roller shutters and doors. Window recycling thrives on the participation of all stakeholders along the PVC window value chain. The growing quantities of recycled material obtained from removed windows, roller shutters and doors made of PVC are proof of this success.

Old PVC windows, roller shutters and doors contain recyclable materials. The PVC they contain can be recycled up to **7 times**. And all this with consistent quality, stability and weather resistance. This turns recyclable PVC into added value. PVC window recycling means conserving resources and protecting the environment. Energy consumption and Carbon Emissions are reduced.

This recyclability makes ultra-modern PVC windows even more attractive and future-orientated – in addition to the many product benefits.

ap-cycle ensures that old windows, roller shutters and doors reach our recycling partners' state-of-the-art reprocessing plants. This is where glass, metal and other materials are separated.

Pure PVC granulate is then obtained from the processed PVC. This is used in the manufacture of new aluplast window profiles. A **closed-loop** is created. In this way, aluplast sees itself as a driver of functioning PVC window recycling and thus of a sustainable production culture.

ap-cycle facts and figures

25%

aluplast PCV window profiles contain an average of **25%** recycled material

88%

"Turning old into new". Today, **88%** of all old PVC windows are already utilised in the recycling loop

-93%

The production of PVC window profiles with recycle consumes **93%** less carbon than primary PVC (136 instead of 2100 kg CO₂/t)

... reducing carbon emissions

Every tonne of recycled material conserves resources and reduces carbon emissions. Good reasons to use our **ap-cycle**

If old windows, roller shutters and doors made of PVC used during building demolition, modernisation or energy-efficient refurbishment, we are there for you with aluplast's own ap-cycle. Together with you, we ensure that valuable raw materials are recycled. Together with you, we ensure that valuable raw materials are recycled. This conserves resources, saves energy and protects the environment. Take advantage of our recycling service!

General conditions of acceptance

- Frame and sash: coarse or completely unglazed
- Roller shutter armour: without shaft and belt
- Doors: without glass, without panel (door leaf)
- No residual waste or other materials such as wood or third-party PVC. Roughly clean materials with only slight adhesion of plaster residues or assembly foam

Excluded from acceptance

- Materials from fire damage
- Window sills with paper film
- Wooden windows and wooden shutters
- Wooden windows with soft PVC cladding ("DDR plastic")
- Pipes and cable ducts
- All other types of PVC

Collection or delivery

The collection of old windows, roller shutters and doors made of PVC carried out by ap-cycle. For this purpose, the installation of recycling containers or other containers at the property can be agreed. Ask us, we will be happy to make you an offer.



Thanks to PVC window recycling

ap-cycle PVC window recycling cycle



Germany
KARLSRUHE (HQ)
ETTLINGEN

Good together. Strong together.

PENNSYLVANIA, USA

TEXAS, USA

MEXICO

At home in the whole world

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

1982

aluplast- the beginning



1989

Acquisition of Golde IDEAL

1991

ap-Spain

1995

ap-Poland: Success has a system



1997

ap-Austria: Acquisition of Intertec GmbH

1999

Big new premises and growth



2005

Relocation to Karlsruhe



- Albania
- Algeria
- Argentina
- Armenia
- Australia
- Belarus
- Belgium
- Bhutan
- Bosnia - Herzegovina
- Brazil
- Bulgaria
- Cameroon
- Canada
- Chile
- China
- Colombia
- Costa Rica
- Croatia
- Czech Republic
- Cyprus
- Denmark
- Ecuador
- Egypt
- France
- Georgia
- Germany
- Greece
- Great Britain
- Guatemala
- Honduras
- Hungary
- Indonesia
- Iraq
- Ireland
- Italy
- Kazakhstan
- Kyrgyzstan
- Korea
- Kosovo
- Latvia
- Lebanon
- Lithuania
- Malaysia
- Malta
- Morocco
- Moldavia
- Mongolia
- Montenegro
- New Zealand
- Nicaragua
- Netherlands
- Nigeria
- Northern Macedonia
- Oman
- Paraguay
- Paraguay
- Philippines
- Qatar
- Romania
- Saudi Arabia
- Sweden
- Switzerland
- Serbia
- Slovakia
- Slovenia
- Spain
- Sri Lanka
- South Africa
- Thailand
- Tunisia
- Turkey
- United Arab Emirates
- Uzbekistan
- Uruguay
- Uzbekistan
- Vietnam

2007

ap-Mexico: aluplast takes on pioneering role



2008

energeto



2016

aluplast goes India

2017

Success story in the US



2019

Expansion to Texas



2021

energeto® neo + ap-australia



2022

ap-Poland: New plant in Nagradowice





aluplast® - Specialist for window and door systems

Founded in 1982 by Manfred J. Seitz, aluplast remains a family-owned business with its headquarters in Karlsruhe. Today, the company operates 10 production sites worldwide and serves customers in more than 80 countries. As a leading manufacturer of PVC and aluminium window profiles, aluplast offers an extensive product range – from advanced window and door systems to innovative ventilation solutions for homes. This enables fabricators, dealers and architects to realise virtually any modern design concept.

aluplast's success is built on its close connection to the market, reflected in continuous innovation, sustainable solutions and forward-thinking developments that shape the future of window technology.

Learn more at www.aluplast.net