



V K INDUSTRIES
WINDOWS AND DOORS

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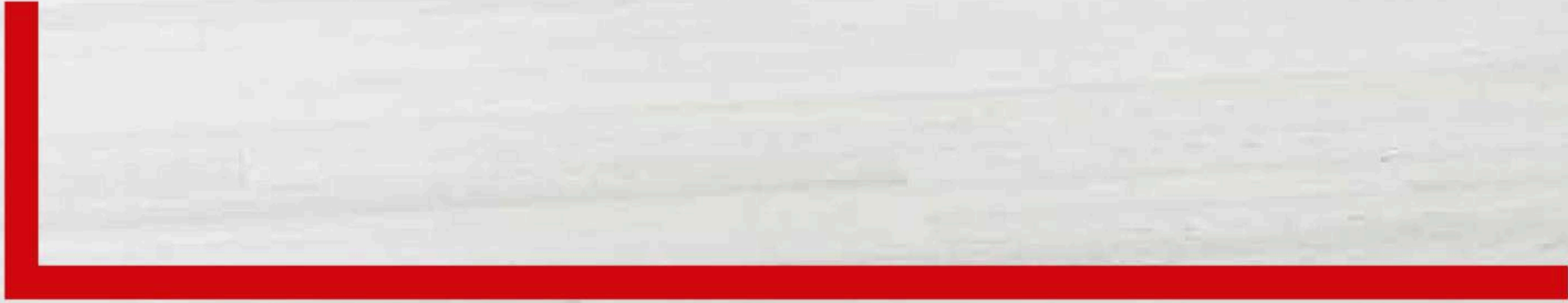
Corporate and Product Portfolio - aluplast India

GERMAN SPECIALIST

uPVC WINDOWS AND DOORS

www.aluplast.net/in

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aluplast®
Kunststoff-Fensterprofile



"The only way to survive this tough market is to keep up with developments. Identifying trends and cultivating a pioneering spirit help aluplast to secure its current position and grow in the future."

Over the past 35 years, technology has advanced at an incredible rate. However, customers are no longer happy with run-of-the-mill solutions. aluplast has happily accepted this challenge. Spotting trends and developments early and a willingness to innovate all the time enable the company to respond with flexibility and a great deal of success. It is therefore no surprise to learn that we are known as a leading innovator in our industry. And we want to live up to this reputation in the future, too.

That is why aluplast is building up an outstanding position – both in Europe and beyond. On an international scale, we are one of the leading providers of uPVC profile systems. In the space of just 35 years, aluplast has transformed into a global player – with 10 production sites worldwide and customers in more than 80 countries.

Founded by Manfred J. Seitz 35 years ago, aluplast has since been taken over by his sons Patrick and Dirk Seitz: This makes aluplast the only owner-run company in its sector with a



Mr. Manfred J. Seitz, aluplast Founder (middle), his two sons Mr. Dirk Seitz (right) and Mr. Patrick Seitz (left)

commitment to retain this status for the long term.

The entrepreneurial Seitz family, a team of dedicated and motivated people, over 35 years of certified expertise and ground-breaking ideas have conjured up something special at the aluplast group. In the words of the Chairman of the Board Dirk Seitz "aluplast is perfectly equipped to tackle the challenges of the future and we are looking forward to working with you to beat them in future."

aluplast Group – An international high-profile system provider

An award-winning company:
With the TOP100 Award 2016 and 2017, we have been recognised as an innovative medium-sized enterprise!

From the very beginning till the present day, aluplast has continuously introduced innovations to the market and brought new momentum to the industry, which over the years turned the company into the leading innovator. What makes us innovative? We create innovations the way a system provider should: systematically! Through a careful multilayered process, we ensure the success of these innovations.

For window fabricators, this means that we look ahead and analyse market and customer needs so



that we have solutions to meet them. Our concept for the future not only includes innovative products, but also efficient processes and support in all areas key to success, such as sales and marketing.

Construction companies benefit from factors such as high energy efficiency, burglary protection, user-friendly designs and the wide range of solutions options available for our window systems.



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Our philosophy. Our formula for success.

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.

Company founder Manfred J. Seitz and his sons Dirk Seitz and Patrick Seitz managed to transform aluplast into one of the most successful companies in its industry in only a few years. As growth continued, the aluplast management team was further strengthened by Eric Bobay (CEO), Arne Przybilla (CFO) and Frank Spies (COO). Four key factors played a major role in this success:





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INNOVATION

Constant product development and innovation are important to the success of both the aluplast group and its partners. We analyse current market requirements to create new products that satisfy the demand and meet our customers' highest expectations. So it is no surprise to hear that our innovative power has been recognised, with aluplast being named one of the TOP100 most innovative SMEs in Germany.

PARTNERSHIP

Our customers and partners are at the heart of everything we do. The company headquarters also maintain close partnership and cooperation with multiple production plants and sales offices all over the world. Through this, successful synergies are formed.

FLEXIBILITY

Although aluplast has gone on to become a key global player, it has managed to retain key ingredients that are often attributed to SMEs. Flexibility remains one of our greatest strengths. Short communication channels and lean structures allow us to respond quickly to customer demands and market requirements.

COMPATIBILITY

"Compatibility" is the secret ingredient in aluplast's recipe for success. But what does it actually mean? In short, 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 history

A leading innovator within a few decades



1982

The birth of the innovation leader

aluplast GmbH was founded in October of 1982 by Manfred J. Seitz. With 27 employees and a clear vision, he started writing a remarkable success story.

1989

Launch of rebate gasket system

1996

Launch of centre gasket system

Prevents the sash from being forced open – the ideal solution for more safety.



1995

System compatibility

Revolutionary at the time; today it is the standard of the entire window sector: The idea to make all product series compatible with each other was a groundbreaking success for aluplast.

2005

New forum: The Innovation Days

aluplast presents innovations and concepts to their customers during the Innovation Days.



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PHILOSOPHY

2008

energeto®

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



2012

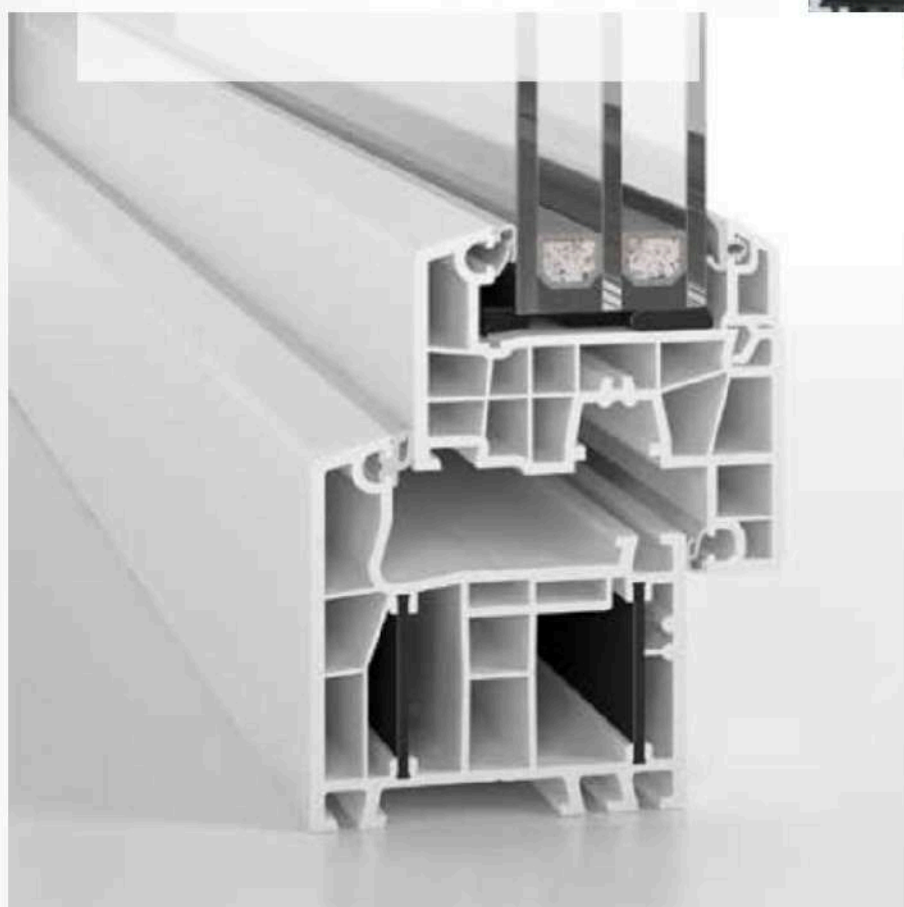
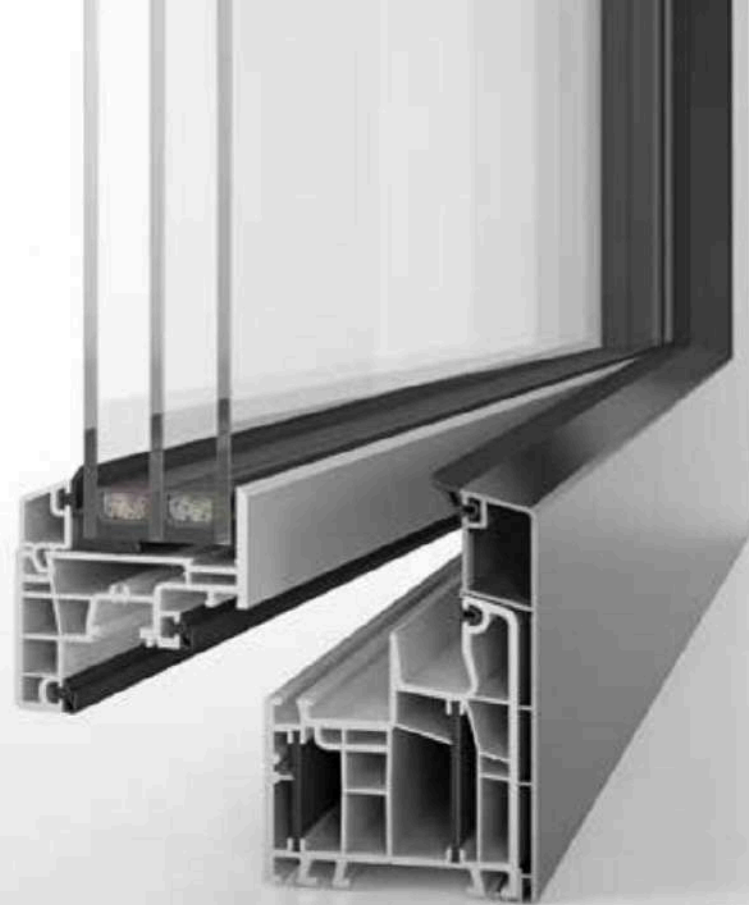
Bonding and glazing robot

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

2015

energeto® 5000 view

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

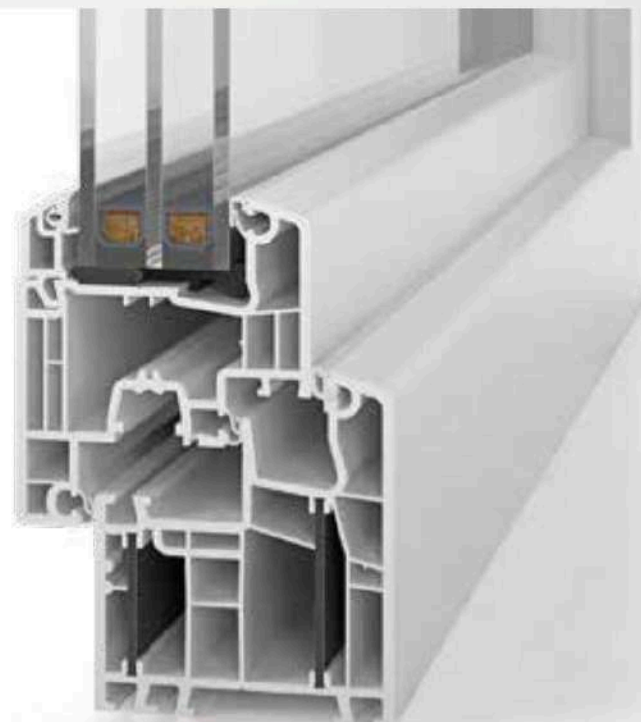


2011

Start of systematic innovation management

2014

aluplast Marketing Services



2016

Launch of Multifalz

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



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.

2015

Effective sales management: aluplast Sales-Cockpit

The EDP tool allows for assessing the economic attractiveness of customers. Focus on "good" customers.



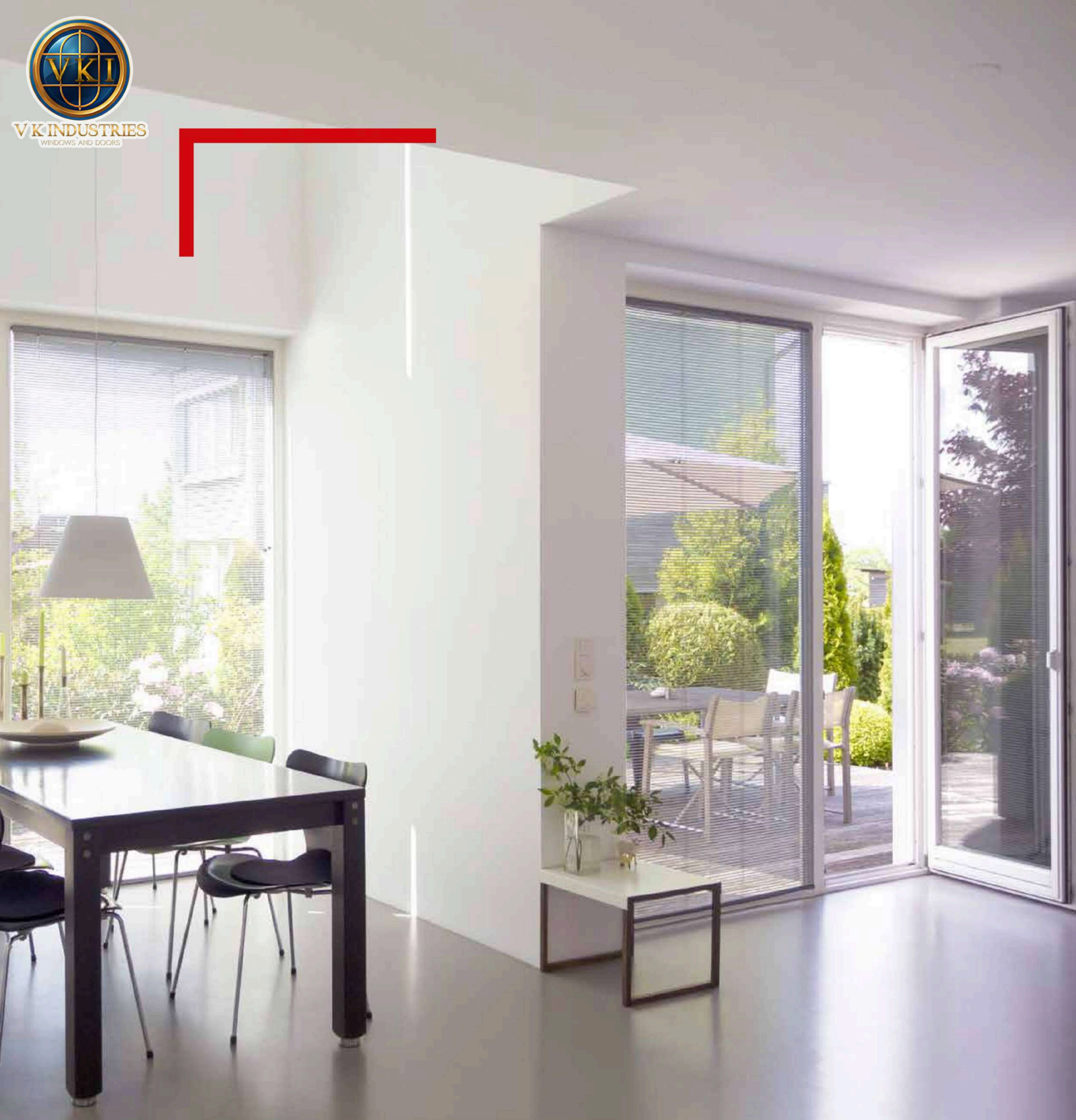
2017

smart-slide





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uPVC can be found in the most diverse fields of application

uPVC is not only used for construction materials, but also for household-items such as food containers and drinking bottles. Also in the medical sector uPVC finds manifold applications.



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ADVANTAGES OF ALUPLAST UPVC WINDOWS



Advantages of aluplast uPVC – windows

uPVC is the most suitable window material and its importance is constantly growing in India and all over the world.

Coextruded Gaskets

- Excellent insulation against heat, noise, rain, dust, pollution
- Super energy efficient

Lead Free and Environmentally Friendly

- Profiles made from uPVC raw material are stabilized 100% lead free
- aluplast uPVC profiles are completely non-toxic and harmless for humans and the environment
- Easy to recycle

Safe and Secure

- Self-extinguishing in case of fire
- Excellent burglary resistance

Colour Proof and Highly Durable

- No discoloration and top UV protection due to tropical compound
- Resistant against termites, rotting, rusting and corrosion
- Very low maintenance

Certified quality

- Made according to European Union Quality Standard EN12608 for uPVC window profiles
- Internationally tested and certified by renowned test institutes such as ift Rosenheim, SKZ, RAL

Tropical Compound

for regions with high UV radiation

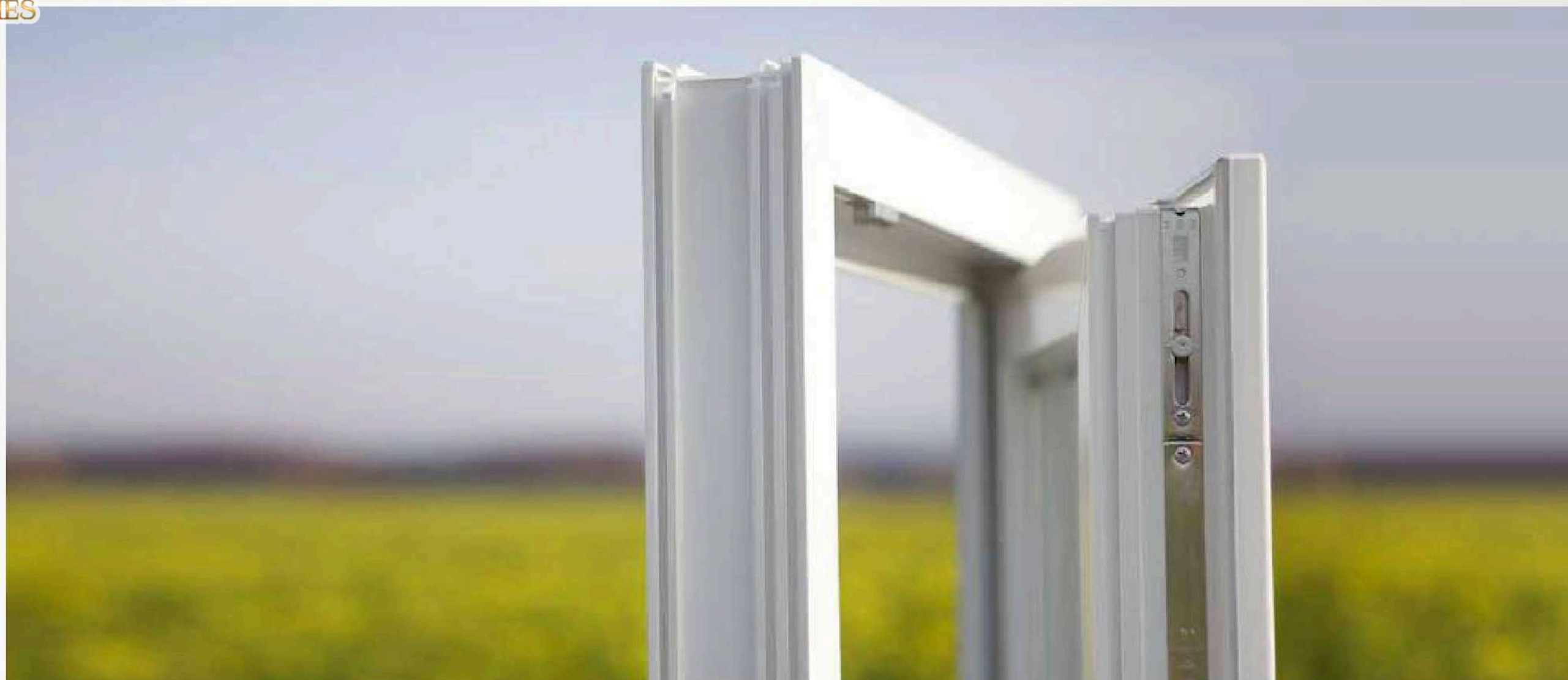
In regions with high UV radiation like India, uPVC window profiles need protection against the negative effects of sunlight.

aluplast has therefore developed a special uPVC compound to avoid discolorations. Our "tropical mix" compound has been tested in the U.S.A. and found to be compliant with the weathering requirements of the American Architectural Manufacturers Association (AAMA). aluplast has been supplying uPVC profiles for more than 20 years to areas with very high levels of UV radiation, like the Middle East.



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TROPICAL COMPOUND



Window and door types are distinguished by their way of installation and method of opening.



Fixed glazing

The glazing is inserted directly into the frame – there is no sash that can be opened.



Tilt-and-turn function

The window can be opened to the inside and it can be tilted.



easy-slide

The sash can be slid to the side to open the window/ door.



Folding window/ door

The sashes can be folded, each running along a runner rail.



Casement - outward opening

The sash is to be opened outwards



Tilt-and-slide window/door

The sash can be tilted and slid to one side to open.



Tilt function - opening inwards

The window/ door can be tilted to ventilate your room but protects from intrusion.



lift-slide

The sash is lifted by moving and ensures a much better sealing than a sliding window/ door.



Turn function - opening inwards

The sash is to be opened outwards.

Many combinations available ...





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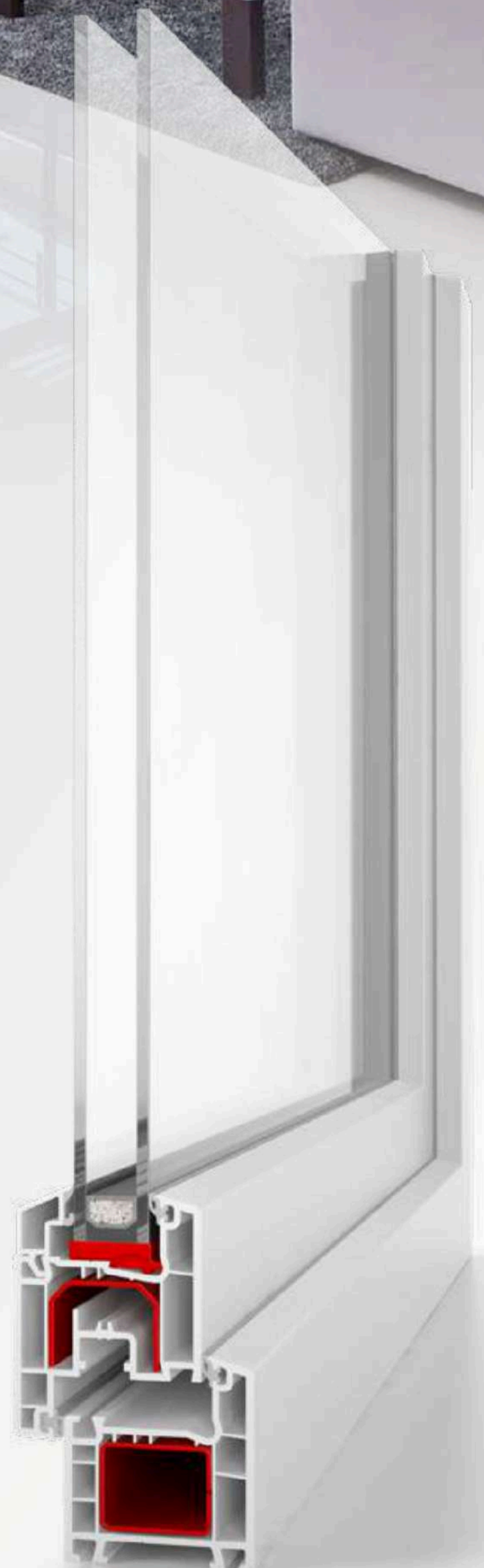
IDEAL range

Windows for living

AN EXCELLENT START

IDEAL 2000® 60 mm construction depth

- Glazing thickness up to 35 mm
- Thermal insulation value $U_f = 1.6 \text{ W/m}^2\text{K}$
- Outstanding sound insulation up to sound transmission class IV (43 dB)
- 3-chamber profile system
- Special security hardware guarantees the highest level of burglary protection





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IDEAL SERIES



THE TRIED-AND-TESTED OPTION

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 option²⁾
- Up to RC2 burglary protection
- Up to 45 dB sound insulation (sound insulation class 4)
- Up to 41 mm glazing
- Available in numerous decor variations
- Available with aluskin® aluminium shells



May be subject to change

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Front door

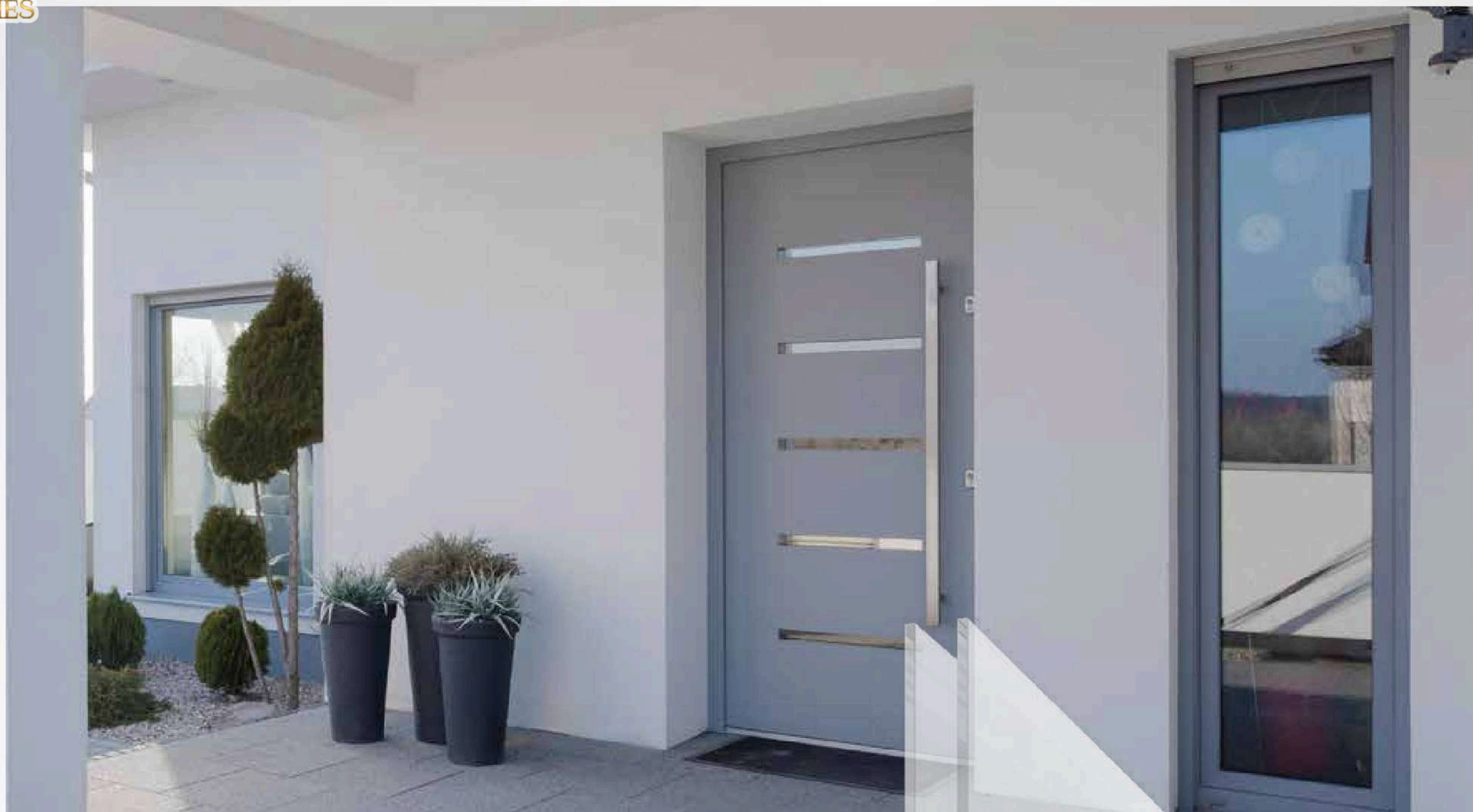
First impressions count





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PRODUCT PORTFOLIO



70 mm front door

- 70mm construction depth
- $U_f = 1.5 \text{ W/m}^2\text{K}$
- $U_d = 1.1 \text{ W/m}^2\text{K}^{1)}$
- $U_d = 0.88 \text{ W/m}^2\text{K}$ best possible option²⁾
- Up to RC2 burglary protection
- Up to 41 mm glazing / panel
- Weldable corner connectors for extra stability
- Many decor variations available
- Available with aluskin® aluminium shells





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WINDOWS AND DOORS



lift-slide

Enter a new modular dimension



SYSTEM / BASIC

lift-slide 85 mm construction depth

- Up to RC2 burglary protection
- Up to 44 dB sound insulation (sound insulation class 4)
- Up to 51 mm glazing
- Available in numerous decor variations
- Available with aluskin® aluminium shells
- Concealed drainage is possible
- Barrier-free option
- Fixframe option

$U_f = 1.6$



BASIC





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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 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!



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PRODUCT PORTFOLIO



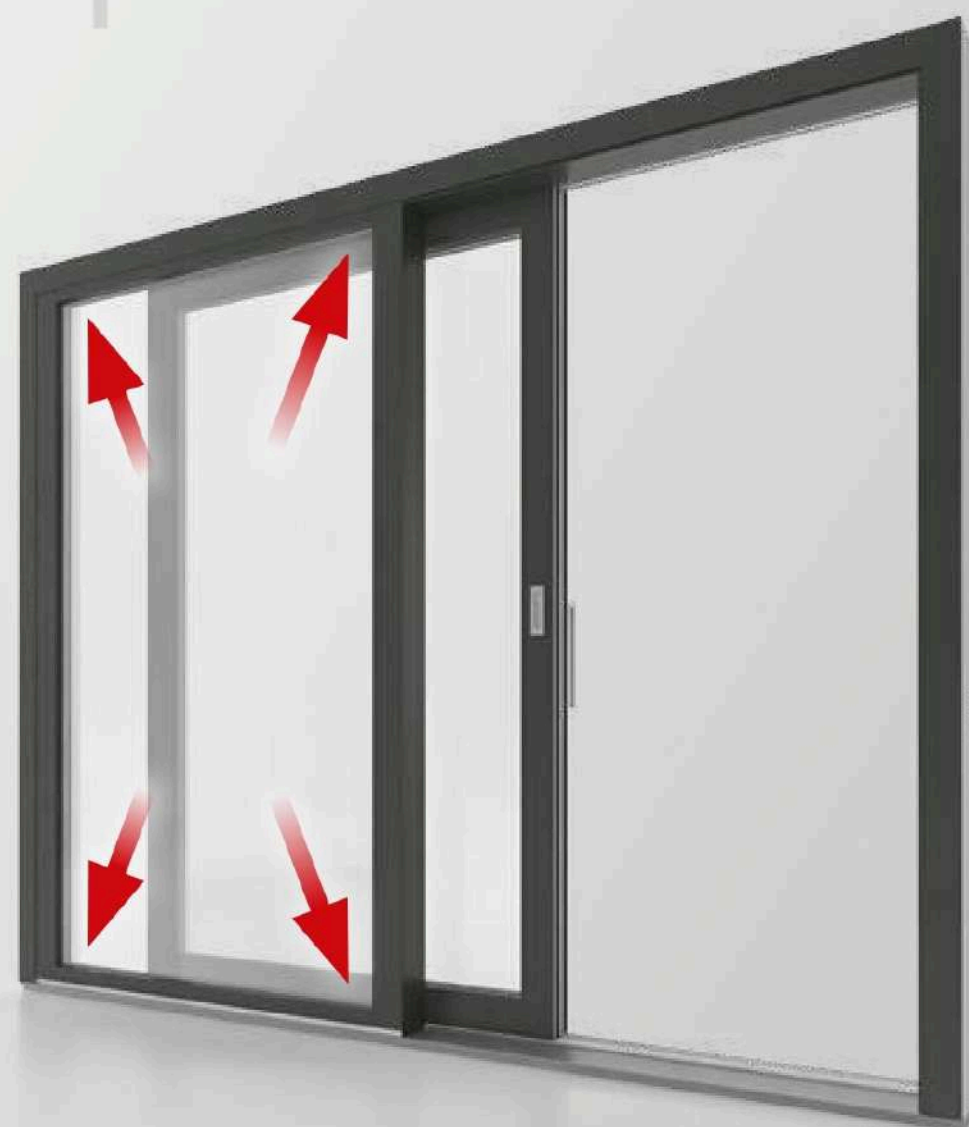
Barrier-free? Sure!

The goal: absolute freedom of movement for all those who are restricted in their mobility. The 85 mm lift-and-slide door is therefore available in a barrier-free version. 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'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

An extra narrow profile in the fixed glass pane lets even more light into your living space - for a higher standard of living and added warmth from the sun!





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smart-slide

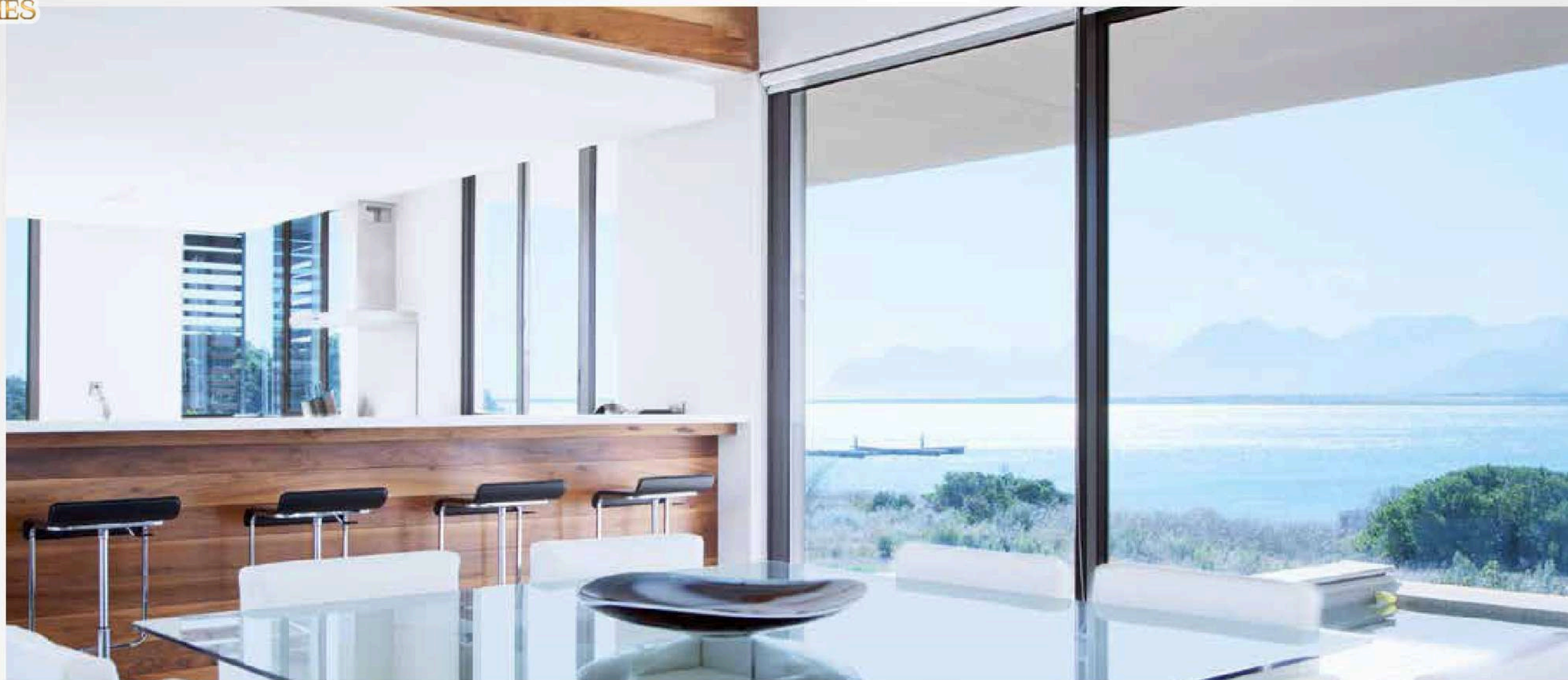
The revolutionary tight sliding solution

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 a short construction time.



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PRODUCT PORTFOLIO



THE ALL-ROUND STAR

smart-slide

- Small construction depth of 70 mm
- $U_f = 1.4 \text{ W/m}^2\text{K}$
- Glazing and panel thickness up to 41 mm possible (single- to triple-glazed)
- Modern classic-line design
- Concealed hardware technology
- Selection of opening mechanisms: schema A + C
- Available in numerous decor designs
- Optional bonding inside (adhesive technology)



CONVENIENT SELF-CLOSING



EXCELLENT SEALING



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Sliding systems

The elegant connection between inside and outside

Enjoy your most beautiful view in the livingroom and let it brighten your life. The aluplast sliding window series can be fabricated individually according to your personal design requirements. You can therefore give the entire living space your own unique style. Experience a brand new standard of living.



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PRODUCT PORTFOLIO

multi-slide

- Glazing thickness up to 32 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



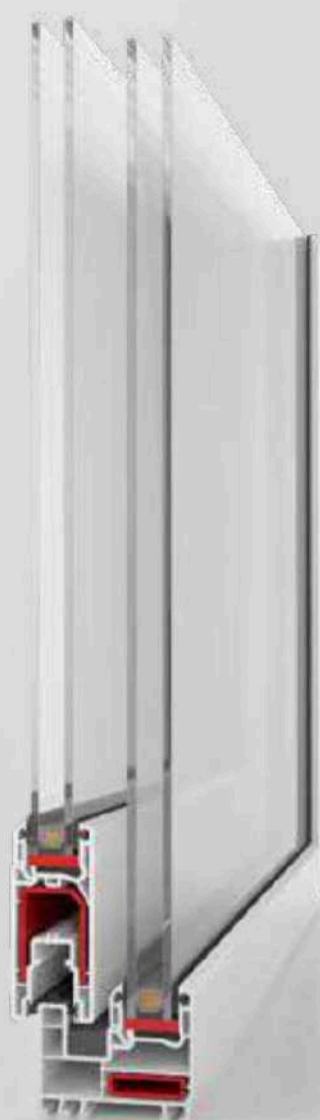
easy-slide

- 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



mono-slide

- Glazing thickness up to 8 mm
- Unique sliding window with fixed and movable elements
- Exchangeable gaskets
- Many accessories available due to the standardized 60 mm frame system
- Integrated PVC interlock for perfect sealing
- Fanlights and different window combinations are available





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woodec
inspired
by nature

Design variants The most beautiful style of refinement

sheffield oak alpine

sheffield oak concrete

turner oak toffee

turner oak malt

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



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NEW

aludec
inspired
by style

After the successful introduction of the woodec surface, a new surface generation is now coming: aludec.

aluplast is once again a pioneer in this area and very successfully takes up design ideas from the areas of interiors and living. After having introduced the trend to refine windows with high-quality surfaces with woodec, another surface generation is now available: aludec offers the high-quality look of an aluminium shell paired with simple uPVC profile processing.

Offer your customers a variety of colours in aluminium-look, a pleasant feel and protect the environment at the same time!

aludec traffic white

aludec window grey

aludec umbra grey

aludec basalt grey

aludec jet black

aludec DB703

aludec anthracite grey

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

It has never been easier and more resource-saving to produce a uPVC window in aluminium look!



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aluskin

The intelligent mixture of uPVC and aluminium.

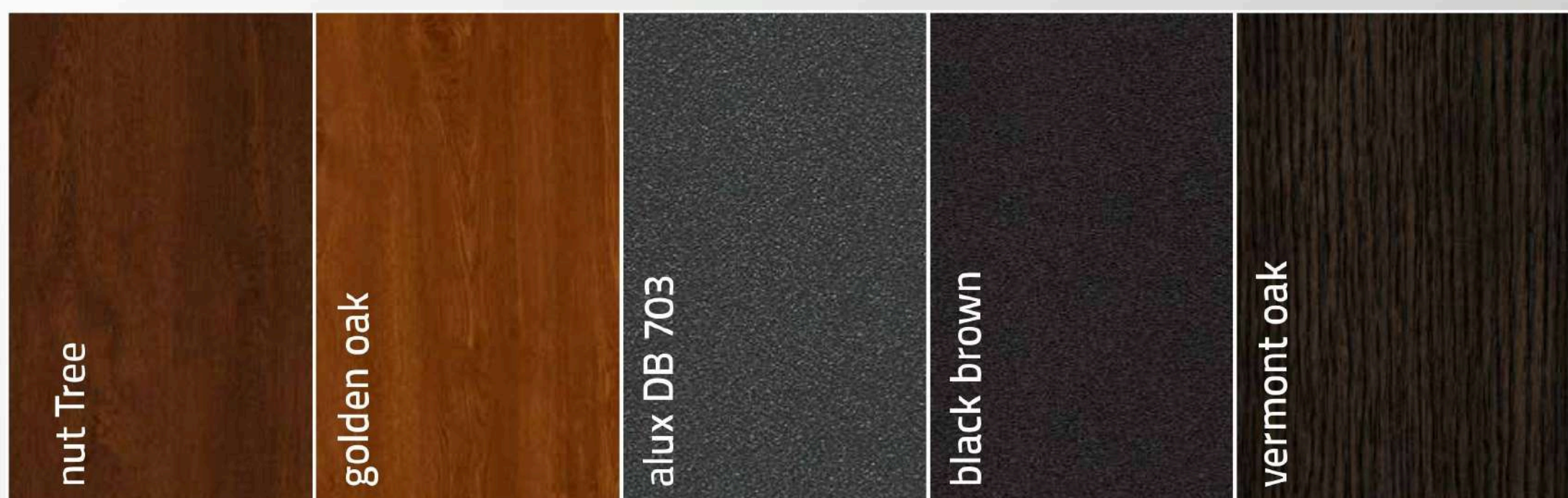


aluskin - Elegant aluminium skins

Refine your windows' look: with aluplast aluminium shells. The trick lies in combining the advantages of the two materials: the excellent thermal insulation properties of uPVC windows and the modern look of aluminium. The result of this interplay is a product of the highest technical standards that combines beautiful design with individuality. The aluminium shells can be coated in all RAL colours, leaving no wish unfulfilled.

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.





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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 to have some of the best insulation figures around – all the way up to passive-house standards.



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SUSTAINABILITY



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

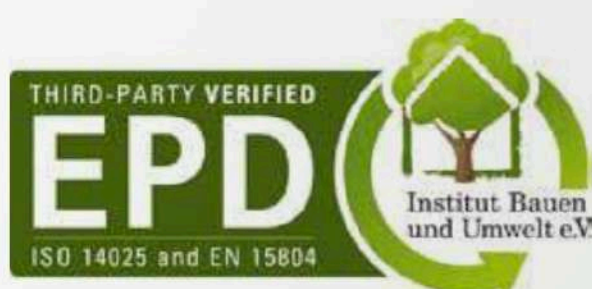
We'll start with the good news: PVC can be recycled up to seven times without any compromises in terms of material quality. We began thinking about recycling a long, long time ago. We not only helped to drive towards the creation of Rewindo – an association dedicated to window recycling where uPVC window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

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.





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