

# WHY GEALAN...

# SYSTEMATIC INNOVATION

Discover the fascinating world of cutting-edge window systems. Get to know GEALAN and be surprised by its innovative product range in this age of digitalisation. We look forward to meeting you.



*With windows and doors made from the latest generation of cutting-edge, high-performance and trendy GEALAN profile systems, you're not just making a statement in terms of appearance. Sophisticated profile geometries worked out down to the smallest detail meet every technical requirement: whether for heat, sound or burglary protection – windows and doors made from GEALAN profile systems are at the cutting edge of technology.*



# GEALAN – your strong partner

## LET US INSPIRE YOU



Choose GEALAN window and door systems. By doing so you strengthen your position in the marketplace – thanks to the high-quality materials and sustainably reliable technology – engineered in Germany. GEALAN's products are highly rated and recognised all over Europe: since 1995, GEALAN's quality management has complied with the international DIN EN ISO 9001 standard.

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# Premium solutions and more REAL ADDED VALUE FOR EVERYONE

GEALAN manufactures PVC profiles from which your windows are made. Our profiles incorporate over fifty years of know-how – and loads of innovative technology.

But GEALAN has a whole lot more to offer: we always have our partners' needs in mind and tailor-made solutions at the ready.

**Our inspiration – to fascinate people.**

**Together we create the framework for the world of windows – innovative, sustainable and customer-oriented.**



## INNOVATION

At GEALAN, we live innovations that offer real added value for everyone involved. We live a culture of innovation, which for us means modern working environments, methods and processes. We don't do this alone – we also systematically drive innovation together with our industry partners.



## DIGITALISATION

Digitalisation is a significant aid to us at GEALAN and is taking place throughout our company and among our customers and partners. We are pressing ahead strongly with new technological approaches and optimisations. Using digital tools and services, we are supporting planners, manufacturers and distributors.

# OUR INSPIRATION – TO FASCINATE PEOPLE



## SUSTAINABILITY

Sustainable thinking and acting at GEALAN has been protecting the environment and resources for decades. We live and respect this holistic approach to sustainability across every area of our company. GEALAN is committed to resource-efficient and future-proof materials, products and procedures, the use of which makes the construction industry more sustainable.



## CUSTOMER FOCUS

High-quality PVC profiles are one thing. The trappings the other. GEALAN combines both: innovative products and systems meet reliable and uncomplicated planning, expert service and digital solutions. All from a single source. Leaving you to concentrate on the essentials: cutting-edge, technically sophisticated windows, doors and sliding systems.



## Recycling

As a co-partner of REWINDO, GEALAN has committed itself to using recycled used window materials – obtained through the window industry’s recycling loop, which has been fully closed for over 20 years – in the inner core of its profiles. In this way, PVC from old windows is reused in an environmentally sensible way in new, highly insulating window profiles. Thanks to our state-of-the-art recycling facilities, almost 100% of our production waste is reused.

## EMAS

Since 1996, GEALAN has repeatedly and successfully put its corporate sustainability to the demanding test of the European Environmental Management System EMAS – both at our headquarters in Oberkottzau and in our Tanna production facility. GEALAN was thus one of the first companies in the plastics industry to demonstrate social responsibility in this way.

## Green electricity

By switching to green electricity, GEALAN in Oberkottzau saves a good 1,900 tonnes of CO<sub>2</sub> annually. At the Tanna production site, a further 16,000 tonnes of CO<sub>2</sub> are saved each year. The company’s ecological footprint is thus further improved, as neither CO<sub>2</sub> emissions nor radioactive waste are produced in the generation of green electricity.

## VINYLPLUS®

GEALAN is certified with the VinylPlus® product label. This sustainability label for PVC building products is awarded to partners that pursue a holistic sustainability strategy and can demonstrate that their products are manufactured sustainably.

## VOLUNTARY COMMITMENTS

*GEALAN also works with numerous partners to promote environmental protection and sustainable development and advance these developments in an efficient way.*





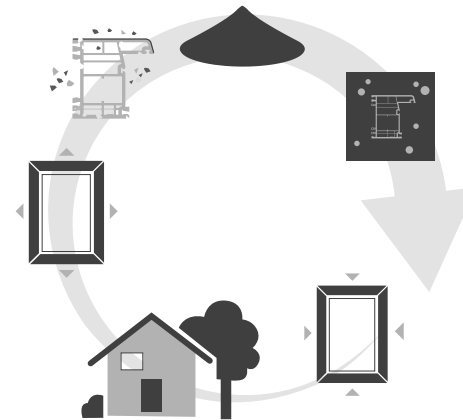
## SYSTEMATIC SUSTAINABILITY

Sustainability is more than a trend for us: GEALAN handles every resource with care. And we've been doing so for over 25 years.

Our PVC profiles already consist to a large extent from recycled material – and rising. The use of biocircular materials instead of fossil raw materials is promoted. At GEALAN, we rely on green electricity and efficient processes. Which can be verified – in many areas as an industry pioneer.

GEALAN doesn't just give windows a frame – we develop sustainable solutions that take tomorrow's world into account today.

GEALAN has been certified for circular and biocircular materials such as PVC, PMMA, polyethylene and polypropylene in accordance with ISCC Plus since January 2024. The certification is a voluntary scheme. It is applicable for the bioeconomy and circular economy for, among others, chemicals, plastics and renewable energies derived from a process using renewable energy sources. All kinds of biomass, waste and residues, non-biological renewables and recycled carbon materials can be certified under ISCC PLUS.



# SUSTAINABILITY IN ACTION





## Systematic innovation and investment FUTURE-ORIENTED WITH INFRASTRUCTURE, PROCESSES AND PRODUCTS

GEALAN has developed significantly in recent years: between 2018 and 2024 alone, around 100 million euros were invested in state-of-the-art infrastructure and product developments across the Group.

In addition to the flagship project of a fully automated high-bay warehouse at the German production and logistics site in Tanna, this remarkable company development is documented by a new training workshop and modernised offices, the digitalisation of toolmaking at the Oberkotzau site, investments in the showroom, lamination, weathering facilities and warehouses, as well as system developments such as the GEALAN-COMFORT® flush-to-floor threshold and the premium all-rounder GEALAN-KONTUR®.

Numerous prestigious awards – including a top three ranking in the “Excellence in Production” competition for GEALAN’s in-house toolmaking, as a multiple Leading Employer or Top 100 Innovations Champion of German SMEs, and several gold BIM awards as well as a supplier Oscar – are evidence of GEALAN’s outstanding ongoing development.





# THE FUTURE IS BEING CREATED HERE

## **Great things are happening at our Tanna site**

*The fully automated high-bay warehouse and the new front building, including modern offices and a training workshop, symbolise the development of GEALAN throughout Europe.*

# DESIGNED FOR YOU



## GEALAN offers a tailored service and real differentiation

Whether it's products that differentiate you from your competition – digital solutions that automatically keep your options open – or expert advice tailored to your company: GEALAN creates the right frame for your success – regardless of whether you're a window manufacturer or planner or sell windows and doors to end customers.

Customised services and solutions support GEALAN's industry partners in positioning their business for long-term success with the most valuable business model possible. GEALAN also supports its partners with a great deal of expertise and sophisticated ideas when it comes to window systems.

You're an architect and plan using high-quality products and systems – and you are looking for professional support? Then you've come to the right place with GEALAN! Intelligent tools, personal advice, ready-made tender documents and much more besides: when it's a matter of windows and doors, GEALAN gives architects and planners advice and support on renovation and new construction projects – from the planning stage to the awarding of contracts.







## How we support you

*At GEALAN, innovations come as standard: Outstanding surface technologies ensure a high-quality and durable appearance. Special bonding processes enable economical production and large elements for more light in rooms. Factory-foamed profiles make production easier and improve thermal insulation.*

*GEALAN supports its partners to be strong in the marketplace. Differentiating yourself from the competition is the key to success. To enable this to happen, GEALAN facilitates products that have genuinely unique selling points. To provide end customers and interested parties with expert advice at short notice, GEALAN offers window manufacturers and distributors additional assistance through training courses and seminars, precise information, ready-made guides and digital tools.*

*Concentrate on your day-to-day business – GEALAN will take care of the associated challenges.*

# UNIQUE SURFACE





# GEALAN-acrylcolor®

PROVEN AND CONSTANTLY  
DEVELOPED FURTHER



Coloured GEALAN-acrylcolor® profiles have been manufactured using the co-extrusion process since 1980. GEALAN sets a benchmark with this surface technology, because it differs significantly from usual colouring processes. During co-extrusion, the white PVC base body and the high-quality acrylic glass layer are inseparably bonded together.

We've been consistently developing our surface technology for over 40 years. Windows finished with GEALAN-acrylcolor® combine aesthetic value with extraordinary durability. Even decades of weathering cannot harm these profiles.

## **Durable**

*Inseparable bond between PVC and PMMA prevents flaking and chipping of the paint layer permanently.*

## **Scratch-resistant**

*Higher resistance than most construction elements thanks to the hard, impervious acrylic layer.*

## **Weather-resistant**

*Withstands even extreme climatic conditions for decades without any problems.*

## **Lightfast**

*Extremely colourfast and lightfast, even when exposed to intense sunlight, for decades.*

## **Stronger**

*Thicker than any layer of paint – so there's enough material left over to polish out small scratches.*

## **Resistant to dirt**

*Non-porous surface with an elegant brush effect remains resistant to dirt over the long term.*

# OUR HIGHLIGHT FOR ALL OCCASIONS

## MODERN VARIETY OF COLOURS

Our GEALAN-acrylcolor® colour range is continuously adapted, optimised and expanded to meet market trends. As a real visual highlight, GEALAN has PMMA-finished surfaces in metallic colours in its range. Some of these are even part of the extended standard colour range. An overview of the current GEALAN-acrylcolor® colour range can be found on the [gealan.de](http://gealan.de) website.







## DARK PROFILES FOR THE PERFECT AESTHETIC

The high-quality GEALAN-acrylcolor® surface blends with a colour-coordinated PVC profile if required. The elegant combination of a premium surface in top colours, a dark base body and matching decorative foils opens up a wide range of options for creating an individual and harmonious dark aesthetic, and is available across all systems.



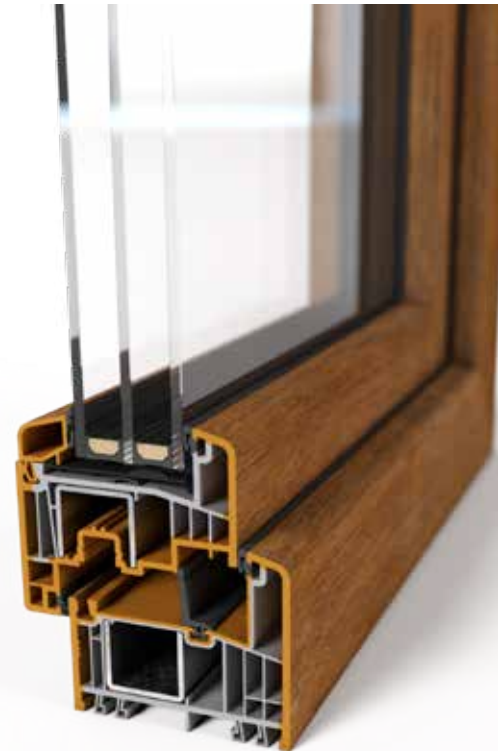
## Colourful variety

### ATTRACTIVE AND VERSATILE DECORATIVE FOILS



PVC windows in a decorative wood and monochrome look are also available for those who appreciate a natural appearance without sacrificing the benefits of modern window technology. GEALAN offers an extensive range of decorative foils with different surface designs:

- + classic grained
- + matt
- + smooth
- + the real-wood look of the RealWood foil range



### ATTRACTIVE DECORATIVE AND MONOCHROME FOILS

Attractive decorative wood or monochrome foils are available for the windows of your choice: either foiled on the outside with a traditional white surface on the inside or foiled on both sides for a particularly premium look. Choose from a wide range of surface finishes to suit you and your home.

### FOR ALL REQUIREMENTS

If you don't want to forego the outstanding properties of GEALAN-acrylcolor® surface technology on the outside, you can design the insides of your windows to match using decorative foil. With double-sided foiling, different decors are possible on the outside and inside. The outside of the windows matches the facade – on the inside, the window look is guided by the furnishing style. This opens an almost unlimited selection of possible combinations for all requirements.





# NATURAL APPEARANCE



## MATT FOILS

*Matt decorative foils give PVC windows a particularly high-quality look and elegant appearance.*



## SMOOTH FOILS

*Smooth decorative foils provide a contemporary window look and keep the surface easy to clean at all times.*



## GRAINED FOILS

*Whether for renovation or a new build: classic decorative foils and their grained surfaces combine the positive properties of modern PVC windows with the decorative effect of wood.*



## REALWOOD

*RealWood foils are much less shiny than standard wooden decorative foils. Their attractive embossing gives PVC windows the natural look of wood, even though these foils aren't made of wood.*





# TECHNOLOGICAL EDGE

## **RAL-APPROVED BONDING**

*GEALAN's innovative STV® glass bonding process is RAL-approved. Benefit from the security of a certified bonding system and improve the performance characteristics of your window elements as a result.*

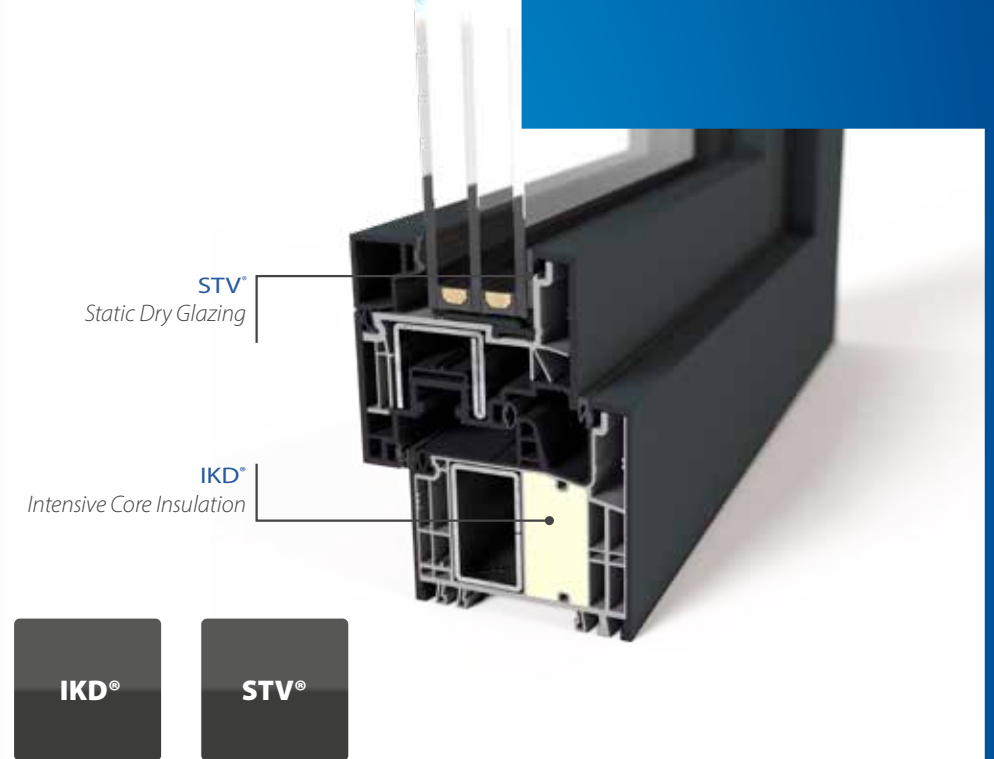


# STV® and IKD®

## PROGRESS THROUGH INNOVATION

The requirements that PVC window profiles have to meet have grown considerably in recent years: better thermal insulation, burglary and sound protection and static values. Only cutting-edge window systems that can meet these requirements will prevail on the market.

Product innovations like STV® static dry glazing or IKD® intensive core insulation prove GEALAN's performance. This results in decisive competitive advantages.



**IKD® – Intensive Core Insulation** – GEALAN is a pioneer in the manufacture of foamed profiles ex works and already introduced the first foamed window and accessory profiles on the market in 2010. GEALAN specifically uses IKD® foam technology in various systems, products and new developments to improve thermal insulation. No additional work is created for the window manufacturer: the foam is introduced directly into the profile chamber in the extrusion system and the manufacturer receives the finished foamed profile for further processing.

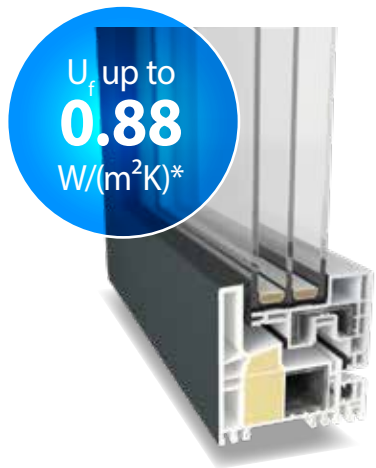
**STV® – Static Dry Glazing** – is an innovation for dry bonding the pane and sash overlap – without compromising ease of processing. Damaged panes can also be replaced easily. The profiles are already delivered by GEALAN ready to use with the integrated adhesive tape. Using STV®, larger elements can be manufactured, while at the same time labour-intensive readjustment work in the installed state can be minimised or eliminated altogether. By transferring the stability of the glass to the sash frame, the window's overall stability is increased. It thus becomes more durable and closes better.

# GEALAN SYSTEM OVERVIEW

## THE RIGHT SOLUTION FOR EVERY NEED

SYSTEMS WITH 82.5 MM CONSTRUCTION DEPTH

### GEALAN-KUBUS®



$U_f$  up to  
**0.88**  
 $W/(m^2K)^*$

### GEALAN-KONTUR®



$U_f$  up to  
**0.97**  
 $W/(m^2K)^*$

### S 9000 AD



$U_f$  up to  
**0.97**  
 $W/(m^2K)^*$

### S 9000 MD



$U_f$  up to  
**0.89**  
 $W/(m^2K)^*$

#### PREMIUM ALL-GLASS SYSTEM

#### THE ALL-ROUNDER

#### OUR BASIC SYSTEM

#### MORE EFFICIENCY

System: GEALAN-KUBUS®  
Construction depth: 82.5 mm  
Max. glass thickness: 48 mm  
Best  $U_f$  value: 0.88  $W/(m^2K)^*$

System: GEALAN-KONTUR®  
Construction depth: 82.5 mm  
Max. glass thickness: up to 56 mm (up to 58 mm with STV®)  
Best  $U_f$  value: 0.97  $W/(m^2K)^*$  with IKD®

System: S 9000 AD  
Construction depth: 82.5 mm  
Max. glass thickness: up to 56 mm (up to 58 mm with STV®)  
Best  $U_f$  value: 0.97  $W/(m^2K)^*$

System: S 9000 MD  
Construction depth: 82.5 mm  
Max. glass thickness: up to 56 mm (up to 58 mm with STV®)  
Best  $U_f$  value: 0.89  $W/(m^2K)^*$



## SYSTEMS WITH 74 MM CONSTRUCTION DEPTH

## SLIDING SYSTEMS

### GEALAN-LINEAR®

### S 8000

### S 9000 HST

### GEALAN-SMOOVIO

$U_f$  up to  
**1.0**  
W/(m<sup>2</sup>K)\*



$U_f$  up to  
**1.1**  
W/(m<sup>2</sup>K)\*



$U_f$  up to  
**1.3**  
W/(m<sup>2</sup>K)\*



$U_f$  up to  
**1.4**  
W/(m<sup>2</sup>K)\*



#### THE LINEAR ALL-ROUNDER

#### STABLE AND COST-EFFECTIVE

#### SOPHISTICATED TECHNOLOGY

#### EXCEPTIONALLY IMPERMEABLE

System: GEALAN-LINEAR®  
Construction depth: 74 mm  
Max. glass thickness: up to 48 mm (up to 50 mm with STV®)  
Best  $U_f$  value: 1.0 W/(m<sup>2</sup>K)\*

System: S 8000  
Construction depth: 74 mm  
Max. glass thickness: up to 48 mm (up to 50 mm with STV®)  
Best  $U_f$  value: 1.1 W/(m<sup>2</sup>K)\*

System: S 9000 HST  
Construction depth: 190 mm frame / 82.5 mm sash  
Max. glass thickness: up to 56 mm  
Best  $U_f$  value: 1.3 W/(m<sup>2</sup>K)  
Standard size wxh = 1.23 m x 2.18 m

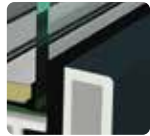
System: GEALAN-SMOOVIO®  
Construction depth: Frame 150 mm / sash 74 mm  
Max. glass thickness: up to 48 mm  
Best  $U_f$  value: 1.4 W/(m<sup>2</sup>K)  
Standard size wxh = 2 m x 2.18 m

# GEALAN-KUBUS®

## SIMPLY BEAUTIFUL WINDOWS

The GEALAN-KUBUS® system defines a new design for PVC windows in architecture. Thanks to large glass surfaces, more light and transparency open up new design possibilities. Indoors, the system convinces with a flush-fitting look free of gaps, while outside the 90° overlap makes for an overall harmonious appearance.

### KISS PRINCIPLE: KEEP IT SMALL AND SIMPLE



All-round right-angled look – inside and outside. Sash not visible from the outside.



Jointless sash design without glazing strips and a flush-fitting look via an optional clip profile.



Unique surface quality owing to exclusive GEALAN-acrylcolor® technology on the outside.



Innovative STV® bonding technology enables a 'rimless' design on the sash and ensures maximum stability.



Outstanding thermal insulation by means of foamed profile chambers



For architects, the design-oriented GEALAN-KUBUS® window system opens up maximum design possibilities and thus new perspectives. Whether with a 100% visible, semi-concealed or almost invisible frame – proportions are created which leave an impression.



100% visible



half concealed



almost invisible

**Antoine de Saint-Exupéry**  
*'Perfection isn't achieved when nothing more can be added, rather when nothing more can be left out.'*





LESS IS MORE

# GEALAN-KONTUR®

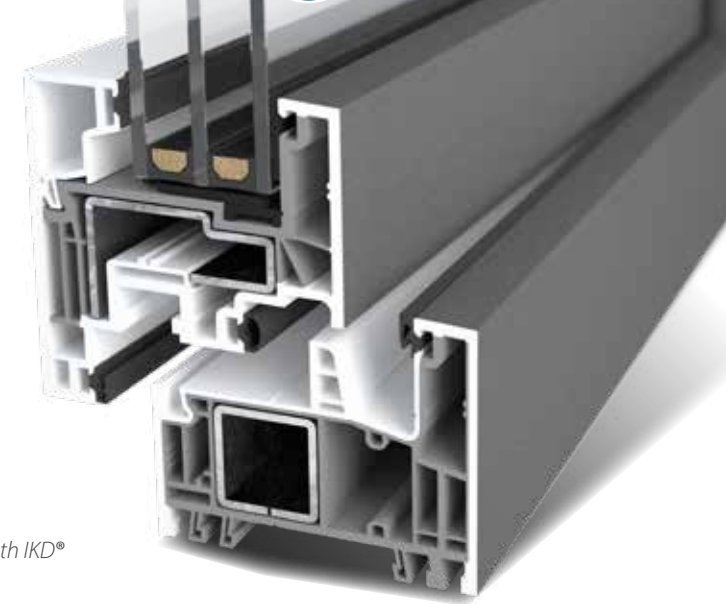
## AS UNIQUE AS YOUR IMAGINATION

GEALAN-KONTUR® is the all-rounder among modern PVC profile systems.

With its sleek, clear design language on the outside and inside, the system sets accents in terms of window design. Narrow visible widths and a maximum amount of glass also provide more light indoors.

Otherwise, these lean profiles offer loads of security and stability! Optionally with two materials that perfectly complement one another: with its multi-chamber system, proven PVC ensures top thermal insulation, while trendy aluminium offers a strikingly modern appearance as well as additional protection against weathering.

A construction depth of 82.5 mm makes the GEALAN-KONTUR® suitable for new building projects as well as in the renovation sector.



*Trendy aluminium design thanks to innovative system solutions – and in an extensive range of colours from the RAL colour range.*

*\* tested in combination with IKD®*

### A COLOUR RANGE PAR EXCELLENCE

As a PVC profile system, GEALAN-KONTUR® offers not only the latest design language for new windows, but also a wide range of surface design options. In addition to classic surfaces and a comprehensive foil programme, you can also opt for the GEALAN-acrylcolor® PMMA finishing. The benefits of this proven surface technology will be available for the GEALAN-KONTUR® system from mid-2024. The optional aluminium cover shells are available in an extensive range of colours from the RAL colour range.

### AUTOMATED PROCESSING A FOCUS RIGHT FROM THE START

The GEALAN-KONTUR® profile system not only offers window customers function and design but is designed with the fabricator stage in mind as well. A wide variety of production techniques can be automated in the manufacturing process. GEALAN-KONTUR® is also designed for automated processing in the field of bonding technology. The universal sash rebate allows either traditional blocking of the glass, bonding of the glass using STV®, or wet bonding.



## HIGHLIGHTS:

- + 82.5 mm installation depth for frame and sash
- + 3 sealing levels for optimal thermal insulation
- + Glass thicknesses of up to 56 mm, glass thicknesses up to 66 mm possible when using special aluminium-clad sashes
- + 4° bevel in the overlap
- + Back of the frame suitable for existing 82.5 mm platform
- + Fixed central gasket dome in the frame
- + IKD® foam can be used throughout in all frame constructions
- + Extremely easy-to-clean frame rebate

## FEEL SAFE

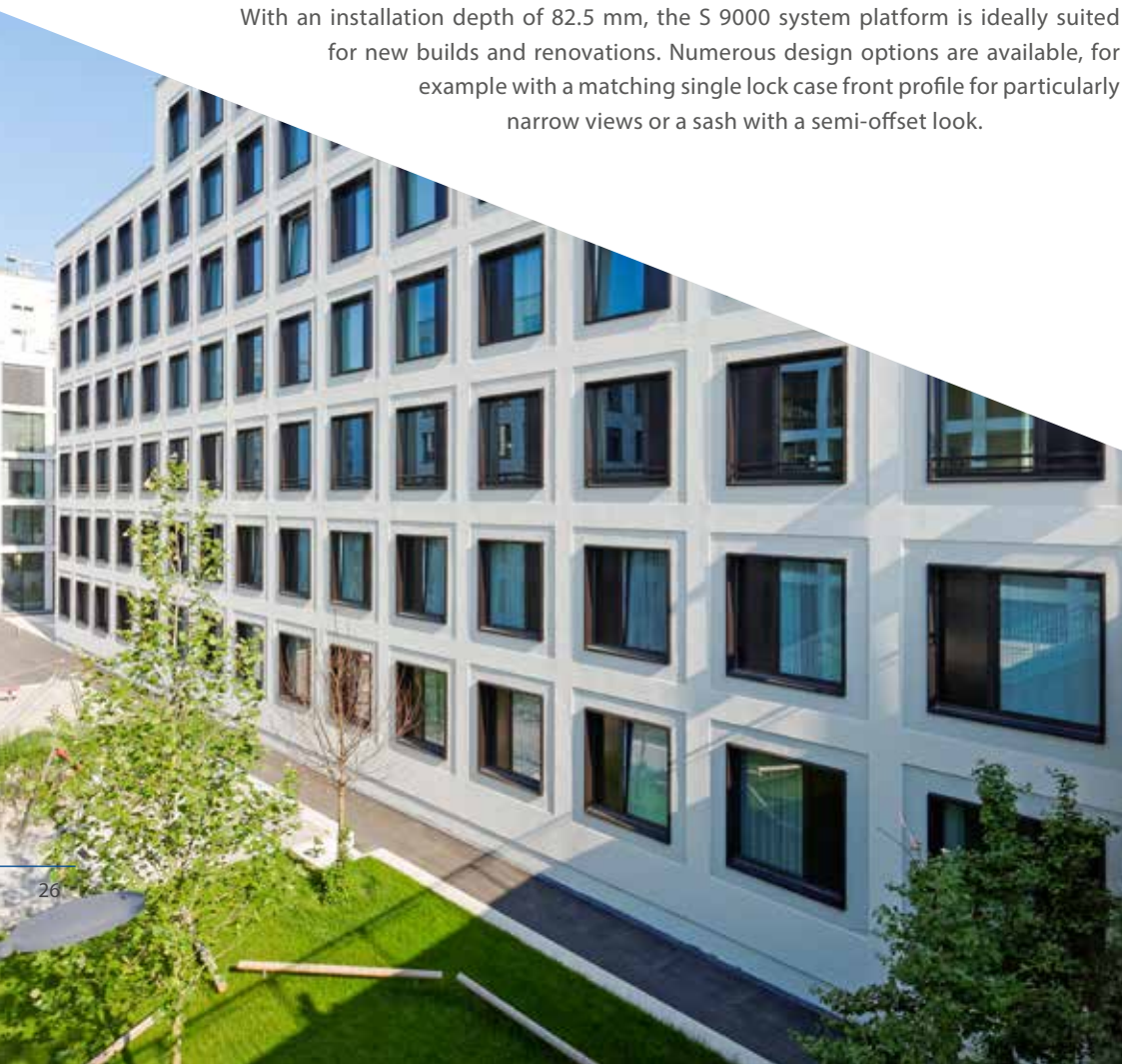
*The sophisticated GEALAN-KONTUR® profile geometry is both sturdy and difficult to break into. Most burglaries are committed by levering out the windows – the intruder inserts a screwdriver between the frame and sash. GEALAN-KONTUR® puts a stop to these external forces: on the fixed central gasket dome, a burglar's tools come up against an effective barrier in the profile.*

# Versatile S 9000 system platform

## MORE SOLUTIONS FROM ONE SYSTEM

The innovative S 9000 combination system offers versatile, ultra-modern solutions for windows, doors and lift-slide doors – optionally available with two or three sealing levels.

With an installation depth of 82.5 mm, the S 9000 system platform is ideally suited for new builds and renovations. Numerous design options are available, for example with a matching single lock case front profile for particularly narrow views or a sash with a semi-offset look.



BEST U<sub>f</sub> VALUE  
**0.97 W/m<sup>2</sup>K**

INSTALLATION DEPTH  
**82.5 mm**



BEST U<sub>f</sub> VALUE  
**0.89 W/m<sup>2</sup>K**

INSTALLATION DEPTH  
**82.5 mm**



### BASIC SYSTEM USING TWO SEALING LEVELS

The S 9000 profile system with a rebate seal is a cutting-edge system that can be used in both new and renovated buildings. The 15° slope in the overlap underlines this system's timeless look.

### MORE EFFICIENCY USING THREE SEALING LEVELS

Three sealing levels throughout with a flexible central gasket reduce the heat flow in the rebate area and thus improve thermal insulation. The window's mechanical components are further protected from external weathering by the central gasket.





## GLAZING

Suitable for accommodating triple functional glazing up to a 56 mm (STV® 58 mm) thickness.

## SEALING CONCEPT

Intelligent sealing concept with up to three sealing levels

## INTELLIGENT CHAMBER CONSTRUCTION

Very good thermal and sound insulation due to six-chamber construction and a large depth for frame and sash

## IMPROVED STATIC VALUES

Optimised for the use of STV® to dry-bond the pane and sash overlap.

## DESIGN-ORIENTED

Narrow visible width and design-orientated 15° bevel for a timeless look

## RANGE OF COLOURS

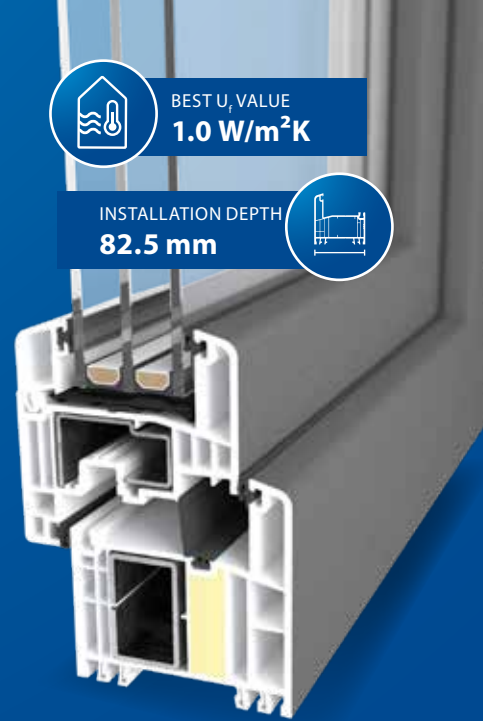
GEALAN-acrylcolor® enables high scratch resistance and a smooth, easy-to-clean surface in a wide range of modern colours, while an extensive range of decorative foils increases the design options



INSTALLATION DEPTH  
**82.5 mm**



## Combinations in the S 9000 system GEALAN-FUTURA®



### THE WINDOW FOR PASSIVE HOUSES IN COLOUR AS WELL

GEALAN-FUTURA® is the single profile combination in the S 9000 system. It offers the possibility of building window elements suitable for passive houses, even in colour, using standard profiles and standard 2 mm steel stiffeners – in accordance with the WA-15/2 ift guideline.

#### GEALAN-FUTURA® AT A GLANCE:

- + ift passive house compatibility confirmed
- + With STV® and standard reinforcements up to a leaf size of 2.40 m
- + The tested U<sub>f</sub> value of 0.89 W/(m<sup>2</sup>·K) confirms its excellent thermal insulation properties
- + With burglary protection, RC 2
- + For new construction and renovation
- + Tested according to the RAL-GZ 716 standard
- + Integrated in system platform S 9000
- + Extremely easy-to-clean frame rebate



INSTALLATION DEPTH  
**82.5 mm**



## GEALAN-LUMAXX®



### VISIBLY LESS FRAME AREA

GEALAN-LUMAXX® is considerably narrower than previous frame combinations. In the past, forend or mullion constructions often required a width of up to 150 mm. Unsightly, bulky beams interrupted the window silhouette, allowing much less light into the room. Using the new system, slim views can finally be realised without having to compromise in terms of ease of use, thermal insulation, static values or security.

With a visible width of 103 mm, windows in GEALAN-LUMAXX® offer an extremely narrow profile view. Slim sash combinations are particularly in demand for the renovation of listed buildings, allowing the filigree effect of historic window elevations to be retained.

### LARGE ELEMENTS IN WHITE AND IN COLOUR

The sash or forend profiles don't compromise on statics. Both use a uniform steel which allows element heights of up to 2.30 m in white or 2.20 m in colour. In combination with STV® bonding technology, element heights of up to 2.50 m in white and 2.40 m in colour can be achieved.





BEST U<sub>v</sub> VALUE  
**1.2 W/m<sup>2</sup>K**

INSTALLATION DEPTH  
**82.5 mm**



## S 9000 FRONT DOORS

A house's front door is its calling card and lends charm and aesthetics to the entrance area. With its new S 9000 front door system, GEALAN offers something for every taste. You can choose between the traditional and the leaf-covering version. And thanks to the flexible colour design of its numerous decorative foils, you have the option of matching your new front door to your facade's overall look.



### TRADITIONAL

Even with the traditional front door version, you can give your house a very personal touch, as there are no limits to the interplay of shapes and colours. Design your front door based on your individual ideas.



### DESIGN

The flat view of the door leaf in the design variant offers the highest level of aesthetics without having to forego the need for security and thermal insulation. It provides more design freedom, but also makes it easier to care for your front door due to the missing offsets.

# GEALAN-LINEAR®

## IN A CLASS OF ITS OWN

GEALAN-LINEAR®'s modern design gets top marks: clear-cut, linear and with no frills. It's also narrow in its views and allows lots of light to enter your interior spaces. Furthermore, GEALAN's 74 mm all-rounder has everything that architects, window manufacturers, builders and renovators expect from a contemporary and reliable system.

### TRENDY AND CLASSIC

GEALAN-LINEAR®'s clear-cut, angular design has a refreshingly timeless effect and is in keeping with contemporary architectural language. Particularly in new buildings, angular forms and distinct lines determine the trend towards open and calmly designed facades.

#### HIGHLIGHTS:

- + Slim installation depth in a linear design
- + Narrow visible widths for more light in the interior
- + High stability thanks to steel stiffeners
- + Solutions for windows, French doors and front doors
- + 90-degree angular look on the outside and inside
- + Perfect for renovations, refurbishments and new buildings – stable in value and durable
- + Extensive decorative foil programme, from smooth to ultra-matt decors
- + RealWood® – decorative wood foils for a customised look and feel
- + Sustainable thanks to a recycled core



**BEST U<sub>f</sub> VALUE**  
**1.0 W/m<sup>2</sup>K**

**INSTALLATION DEPTH**  
**74 mm**

*The narrow construction depth of 74 mm is suitable for a wide range of building projects, especially in the renovation sector. The universal sash rebate is integrated throughout all window sashes and enables either traditional blocking, bonding using STV® or production-optimised wet bonding.*

### LINEAR DESIGN LANGUAGE

The system is based on a consistent, distinct design language that is currently setting the tone in the architectural world. A range of matching glazing strips continues the exterior elevation's consistent design – on the room side of the windows as well. Narrow visible widths in the frame and sash provide more light in the buildings.



# A DISTINCT DESIGN LANGUAGE IN ITS DESIGN

## ***Technically sophisticated and easy to process***

*GEALAN's 74 mm all-rounder isn't just contemporary in its angular, linear design. GEALAN-LINEAR® also impresses with technical details that guarantee outstanding impermeability, thermal insulation and both sound and burglary protection. This is made possible by its three continuous sealing levels. The design of its third, central sealing level is innovative. GEALAN-LINEAR® thus comes as a high-performance central sealing system based on a narrow construction depth of 74 mm. Despite all its technical finesse, GEALAN-LINEAR® remains easy to process at all times and also has universal applications.*



# OUTSTANDING STATIC VALUES

up to 2.30 m



## LARGE WINDOW ELEMENTS THROUGH STABLE PROFILES

- + Particular attention was paid to profile stability during the development of the S 8000 system. The dimensioning of the main chamber to accommodate the steel stiffener in the five-chamber profiles was correspondingly large.
- + With large windows, significant forces act on the window elements. Sturdy steel stiffeners ensure high flexural strength and enable the construction of large windows.



# S 8000

## FOR THE PERFECT LIVING AMBIENCE

When designing this rebate seal system with its installation depth of 74 mm, the focus was on economy and optimising materials – so as to ensure that fabrication remained straightforward and cost-efficient for window manufacturers.

### WHETHER CLASSIC OR DESIGN-ORIENTED:

the glazing bead on the room side is the crowning touch for a perfect window. The wide range of versions leaves nothing to be desired.



#### 74 MM INSTALLATION DEPTH

Ensure excellent thermal and sound insulation

#### OPTIONALLY FOR FIVE OR SIX CHAMBERS

In frames and sashes

#### LARGE MAIN CHAMBER

For holding large steel stiffeners

#### UNIFORM STEEL CROSS-SECTIONS

For frames, sashes and mullions

#### AVAILABLE IN A WIDE RANGE OF COLOURS

Available in a number of wooden and decorative foils



BEST U<sub>v</sub> VALUE  
**1.1 W/m<sup>2</sup>K**

INSTALLATION DEPTH  
**74 mm**



## FLEXIBLE MULTI-CHAMBER DESIGN

Profiles from the S 8000 system are available with five or six chambers. Both versions are optionally available in a surface-mounted or semi-surface-mounted version with differing glazing bead designs.

### S 8000 WITH FIVE CHAMBERS

Outstanding stability thanks to large steel stiffeners in the frame and sash, and very easy to clean thanks to a large frame rebate

### S 8000 WITH SIX CHAMBERS

Excellent thermal insulation thanks to six chambers in the frame and sash, and very easy to clean thanks to a large frame rebate





## NATURAL VENTILATION

Thanks to its special design, the GEALAN Hafen-City-Fenster® offers maximum sound insulation – even when open.

## HIGH SOUND INSULATION

When closed, its ingenious design ensures a particularly high level of sound insulation.

## EASY TO CLEAN

Thanks to the tried-and-tested casement window principle, windows can easily be cleaned from the inside of the room.

## SLIM VISIBLE WIDTH

A special combination of narrow lock case front and sash elements makes for a minimal profile view.



# GEALAN Hafen-City-Fenster®

## THE WINDOW SYSTEM FOR PERFECT SOUND INSULATION



Fresh air with barely any noise pollution: The sophisticated tilting function of the GEALAN Hafen-City-Fenster® offers just that. With the windows tilted, the system achieves sound insulation of up to 34 dB, earning it the best values for certification by ift Rosenheim. When closed, the GEALAN Hafen-City-Fenster® window achieves a sound reduction value of up to 63 dB – these are significantly improved sound insulation values compared to conventional windows featuring sound insulation with values of up to 43 dB.

### THE MODERN CASEMENT WINDOW

The GEALAN Hafen-City-Fenster® is a combination product of the GEALAN-KUBUS® and GEALAN S 9000 systems. The two individual elements are connected to form one unit using a specially developed mounting frame. Windows can be cleaned easily and simply by turning the opening inwards. In this way, the tried and tested principle of the casement window is brought into the modern age. This provides building owners and architects with a solution for combining modern architecture with the highest standards of sound insulation and natural ventilation.



Source of noise outside  
**70 dB**



Noise level inside  
**< 7 dB**



Source of noise outside  
**70 dB**



Noise level inside  
**< 36 dB**

### URBAN LIVING SPACE IN RELAXED TRANQUILLITY

This is where the GEALAN Hafen-City-Fenster® is used: inner-city residential areas in which people don't want to forego natural ventilation, despite increased noise emissions. The window concept is thus a response to the increasing structural density in large cities. It offers exceptional sound insulation with closed or partially open windows.

Of particular interest to building owners and architects: a cutting-edge window construction that combines natural ventilation and sound insulation.

# S 9000 lift-slide door

## BENEFITS IN EVERY AREA

Sliding elements are a classic stylistic feature in modern living, with generously designed glass surfaces conveying a sense of comfort and elegance. The S 9000 lift-slide door from GEALAN more than meet these requirements, both visually and functionally.

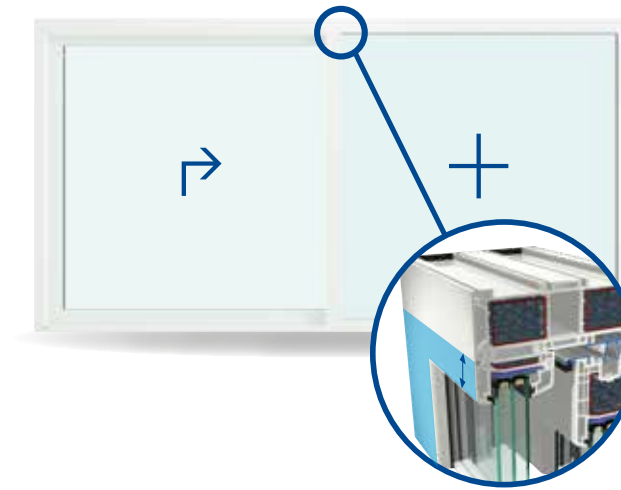


BEST  $U_f$  VALUE  
**1.3 W/m<sup>2</sup>K**



- + Efficient
- + Design-oriented
- + Top thermal insulation values
- + Versatile
- + GEALAN-acrylcolor®

Even in its basic version, the lift-slide door S 9000 achieves a very good thermal insulation value of  $U_f=1.3$  W/m<sup>2</sup>K. Further system advantages are the accommodation of triple glazing up to 52 mm thickness, the low construction depth of only 190 mm in the frame, the slim appearance of the leaf and border and the specially developed, design-oriented glazing frame.



### EXCEPTIONALLY BRIGHT

In the GEALAN S 9000 lift-slide door design variant, the usual leaf in the fixed panel is replaced by a narrower glazing profile. This step reduces the profile visible width in the fixed panel by over 50 percent. Whether the door is open or closed is irrelevant here. In any case, lots of light can enter the room interior. Its almost threshold-free floor connection also removes the separation between inside and outside. And with this technology, the large door elements can easily and comfortably be moved.





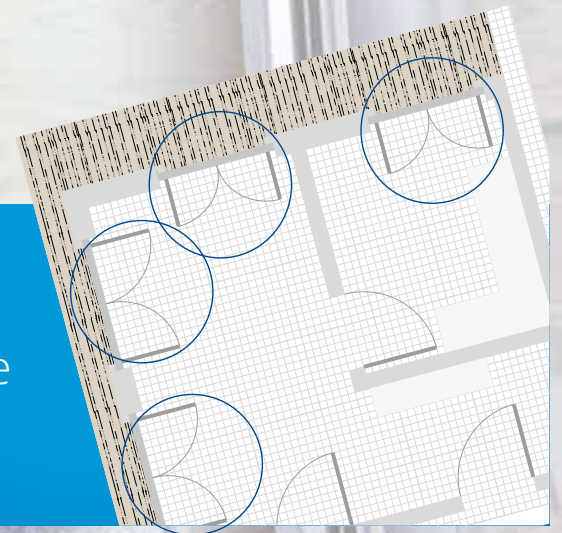
# A MODERN APPEARANCE WITH NO LIMITATIONS

## FEELING GOOD AT HOME MADE EASY

*In addition to excellent performance values such as class 7A driving rain impermeability and an air permeability of class 4, the GEALAN S 9000 lift-slide door offers six different possible opening schemes. Its almost threshold-free floor connection also enhances the separation between inside and outside.*

# SIMPLY ACHIEVE MORE SPACE

For planning layouts, sliding elements offer great potential for creating invaluable free spaces.





# GEALAN-SMOOVIO®

## A NEW GENERATION OF SLIDING ELEMENTS

### RELAXED SLIDING – IMPERMEABLE CLOSURE

In the past, sliding windows were often characterised by low impermeability. With the GEALAN-SMOOVIO® system, that's now a thing of the past thanks to its sophisticated locking mechanism.

### SAVES SPACE AND OPENS UP THE ROOM

Sliding elements provide a significant advantage for the living space. As there is no need to account for a swivel range for door and window sashes. This means that the living space right in front of the window can also be utilised.



**For the first time, GEALAN-SMOOVIO® combines the space-saving comfort of sliding solutions with extraordinary impermeability. This is made possible by the interaction between newly developed hardware components, innovative profile geometry and optimised seals.**

*Gapless, circumferential sealing levels ensure excellent sealing against external influences when closed.*

### PREMIUM COMPONENTS

Intelligent components perform their job in secret. Special roller systems and an extraordinary locking system ensure smooth operation and high impermeability.



# Ventilation

## LET IN A BREATH OF FRESH AIR



Clean air in living and working spaces is not just a feel-good factor, but also the foundation of a healthy life. Due to increasingly energy-dense buildings and different usage habits, classic window ventilation is not always sufficient. On the one hand, GEALAN has the right ventilation systems for this. On the other, GEALAN's experts are actively at your side when it comes to determining ventilation requirements in buildings and providing support with planning and calculations.



### GEALAN PROVIDES ADVICE AND SUPPORT FOR VENTILATION PLANNING

Are you planning ventilation concepts for new buildings or renovation projects? Then you can count on GEALAN's professional support. With our experts and sophisticated digital tools, both the planning and testing of ventilation concepts – as well as appropriate product design in terms of air volume and sound insulation for your individual building project – are on the safe side. At your request, GEALAN offers personal consultations in which individual and detailed products and solutions are presented to all groups involved in a property.

### CREATE A VENTILATION CONCEPT

Use our professional tool to create a ventilation concept step by step. A ventilation concept determines how a residential building or home is ventilated. This ventilation concept includes:

- + The necessity of so-called ventilation measures is determined
- + An effective, user-independent ventilation system is proposed
- + If necessary: Further user-dependent ventilation measures are specified

To create a ventilation concept via GEALAN's tool, a valid licence for Planersoftware 3.0 is required







## OUR VENTILATION SOLUTIONS

In addition to advice and calculations for your ventilation concepts, GEALAN has suitable products in its portfolio as well. You can decide which of our convenient ventilation solutions will suit and enhance the rooms in question.



### GEALAN-CAIRE® AERECO

GEALAN-CAIRE® AERECO ventilates rooms exactly as required. As a passive ventilation solution, GEALAN-CAIRE® AERECO uses the pressure equalisation between indoor and outdoor air. In addition, the airflow is automatically controlled and adjusted to the humidity load in the room independently of the operator via a mechanical humidity sensor. This ensures safe room dehumidification. A power supply is not required.



### GEALAN-CAIRE® FLEX

The GEALAN-CAIRE® flex passive ventilation system works decentralised based on an air pressure differential between indoor and outdoor air. It thus ensures permanent basic ventilation for moisture protection, prevents mould and works independently. GEALAN-CAIRE® flex fans are compactly and inconspicuously mounted in the sealing rebate of the window sash and can be easily retrofitted at any time.



## Smart windows and doors

### TEXINO SMART HOME

Our new smart home brand TEXINO provides a variety of intelligent product solutions that can be used to easily transform any living space into a modern smart home.

#### SMART VENTILATION

After a morning shower, high humidity collects in the bathroom. The first venting method: you tilt the window manually. TEXINO solutions now make it possible to leave windows open until the humid air has escaped from the room – and to close windows easily via the app while you're travelling or at work.

#### AUTOMATED SHADING

Avoid overheated rooms in summer by using TEXINO products: A shading control system automatically regulates when and how far roller shutters or blinds are extended or retracted. This system operates according to light incidence or room temperature and helps to ensure an optimum amount of light – without making your home unpleasantly hot.

#### Free online training courses

*In collaboration with our partners, we offer free online training courses on the topic of home automation that allow you to educate yourself and acquire knowledge in a flexible manner.*







Even more smart options with TEXINO:



## **Simple, secure, compatible**

*No need to fear complex, expensive systems and vulnerable interfaces: TEXINO offers simple, secure smart home solutions that are 100% compatible with one another. They can also be integrated into select GEALAN profile systems.*

## **Expandable at any time**

*TEXINO offers selected components that can be combined with many other smart home products. The advantage: users have virtually unlimited possibilities for expanding their smart home systems at home, even at a later point in time. At the same time, they benefit from the years of experience and expertise of global market leaders.*

## **Easy to install**

*TEXINO solutions are designed so that they're child's play to assemble and install. Users are also on the safe side, with certified data protection included! Control is simple and up to date: smart windows open at the click of a button, the connected roller shutter optionally opens and closes by voice command – and users can keep track of their smart home solutions from anywhere via app.*

# Breaking new ground with DBS

## PROCESS EFFICIENCY ON THE CONSTRUCTION SITE

**DBS** | WinDo Imaging



### WINDOW VISUALISATION IN NEW DIMENSIONS

**Augmented reality**

- + Sales support via 3D visualisation
- + A digital customer experience for a better idea of the products
- + Adapt to your own facades or brickwork
- + User-defined templates

**Virtual reality**

- + Experience structural elements in future buildings in a virtual showroom
- + Experience windows and doors virtually in your desired colour palette
- + Complete freedom of movement in the chosen environment
- + Experience products virtually from the desired perspective

**DBS** | WinDo Experts



### CORE PROCESSES AND DATA UNDER CONTROL AT ALL TIMES

**Planning software**

- + Always comprehensive and up-to-date master profile data
- + Master data may also be used at several locations
- + No risk of disruptions to production or downtime – automatic updates are implemented without overwriting individual information
- + Automatic price updates for profile purchasing prices
- + Master data may also be used as a basis for procurement – transmission of reliable order quantities, product numbers, features, purchasing prices and materials management possible

**DBS** | WinDo Flow



### THE WINDOW WITH A DIGITAL PERSPECTIVE

Warranty cases, complaints and repairs take up a great deal of time and qualified resources. DBS WinDo Flow enables important process steps to be shortened and appropriate follow-up offers to be communicated more quickly. Just a few simple clicks and your customer can easily communicate the status of their window systems.

**NFC-Chip in the window profile**

- + All of the details regarding the installed object digitally and centrally in one place

**'MontageProfi' app**

- + Digital documentation, management and acceptance of installation work

**'FensterPass' app**

- + Simple and fast service requests via app for end customers



You can find more information at:  
<https://digitalbuilding.solutions>



# DIGITAL TOOLS



# DIGITAL SUPPORT

## MOUNTING

*The module licence 'Mounting' makes it possible to correctly configure the load transfer for the building structure according to DIN 18008. The final window design is statically analysed based on the installation location, installation situation and the position in the building. The static predimensioning of the fastening points as well as an output of the forces per fastening point serve as a technical specification for fastening suppliers. Dowels, window screws, etc. can then be designed individually and precisely.*

## DECLARATION OF PERFORMANCE AND CE MARKING

*With the module licence 'Declaration of performance and CE marking', the declaration of performance and the CE marking are generated based on the building specifications. At the same time, the required values are matched with the performance characteristics of the construction designs. This gives users a comprehensive overview of their positions.*





# Planersoftware 3.0

## THE PERFECT PLANNING TOOL

With Planersoftware 3.0, GEALAN takes the technical planning of windows and doors to the next level: From the selection of profiles to the design of complete elements (in 2D and 3D), all planning steps can now be performed online to save time.

### SOUND

*With the module licence 'Sound assessment', the sound insulation of each window can be individually analysed and assessed – depending on the selected glass and window system.*

*All sound-relevant variants (e.g. French casement windows, fixed glazing) as well as accessories (e.g. doubling elements, thresholds) are included in the assessment.*

### GLASS DIMENSIONING

*The module licence 'Glass dimensioning' analyses the static predimensioning of the vertical glazing applied. Maximum tension and bending according to climate impact and load distribution for multi-pane insulated glass according to Prof. F. Feldmeier and DIN 18008-2 are calculated for it.*

### HIGHLIGHTS:

- + Complete recording of all GEALAN profile systems with all technical specifications up to date
- + Easy configuration of complete elements in 2D and 3D
- + Effortless addition of couplings and secondary profiles
- + Detailed recording of the building structure connection
- + Calculation of U-values and isothermal curves
- + Static dimensioning
- + Comparison of planned elements with the technical regulations (e.g. sash sizes)
- + Practical output formats (.dwg, .dxf, .docx, .pdf)
- + Project function featuring digital data exchange and simple creation of quotations and service specifications

# TIMELY PLANNING

## **Gold solution**

*GEALAN's Building Information Modelling data offering has won over the jury at the renowned ARCHITECTS' DARLING award a number of times and received a gold medal as Germany's best construction industry solution.*





# BIM – Building Information Modelling

## THE PLANNING METHOD OF THE FUTURE

Building and planning using BIM 3D data enables a holistic approach to construction projects. As a system provider of PVC profiles for windows and doors, GEALAN is thus actively involved in the planning method of the future. The aim is to implement digital manufacturer information in a practical way to drive digital processes for planners, fabricators, product manufacturers and building operators.

**Video tutorials on GEALAN's website**

*You can find a demo version of our planner software in the profile lounge on our website.*

**Test now!**



### SOLUTIONS BY GEALAN

#### Use plug-ins and add-ons

Architects and builders can generate the updated version of Planersoftware 3.0 to create window and door types from GEALAN profile systems in BIM format as desired and use them for free via a Revit plug-in or ArchiCAD add-on.

### THIS IS HOW WE SUPPORT YOUR PLANNING

#### Design according to your wishes

GEALAN' Planersoftware 3.0 makes it possible to manufacture windows and doors in BIM format – entirely based on your requirements. Here you can select from predefined elements or window and door shapes created in-house.

### BENEFIT FROM THESE ADVANTAGES

#### Save time

##### Planning security

- + Checking the technical feasibility – automatic  $U_w$  value and isotherm calculation

##### Qualitative BIM data

- + BIM data including high-quality standards for LOG and LOI

# FURTHER AND ADVANCED TRAINING

BOOK YOUR SEMINAR PLACE



Get in touch with us and secure a place in one of our sought-after seminars.





# GEALAN ACADEMY

## KNOWLEDGE TO THE POINT

In our fast-paced society, further training and development can become factors that are more crucial than ever for a modern company's success. That's why investing in your staff's expertise is an investment in your company's future.

Targeted further training to increase your staff's qualifications is thus one of the most important approaches to ensuring the long-term success of your company, even in a difficult market environment.

The GEALAN ACADEMY offers you intriguing specialist seminars throughout Germany and Europe on all window-related subjects, as well as marketing support in your vicinity.

### FURTHER TRAINING – ON-SITE OR VIRTUAL

The GEALAN ACADEMY adds to your knowledge: with content that is relevant and taught by expert lecturers who speak your language.

Building law, building physics, window installation, digital topics of the future such as smart home or BIM – the GEALAN ACADEMY conveys all content in an understandable and practical fashion.

In addition to on-site seminars at selected training locations and the opportunity to train directly with our partners, we are continuing to expand our successful webinar series. An overview of current topics and speakers can be found in our latest Seminar Catalogue and on the GEALAN website.



The GEALAN ACADEMY's new training room at our Oberkotzau site, with its future-oriented technology, offers a professional environment for our further training courses and seminars.



## Always at your side

### OUR CONCEPT – YOUR ADDED VALUE

Our philosophy: finding tailor-made solutions together. What does a partner require in order to develop even better in its market – and how can GEALAN help it to do so in a tangible way?

What's your added value? Whether it's technical aids, on-site training sessions, marketing material, support with regulations and official procedures: you get our know-how from a single source, save time and money – and benefit from decades of GEALAN experience.

#### PRECISE INFORMATION FOR WINDOW MANUFACTURERS

We at GEALAN support window manufacturers with comprehensive services so that you can inform interested parties and end customers quickly and specifically about special window properties. As a GEALAN partner, you'll find product information, helpful tools, information on subsidies, sales guides and marketing materials in the download area of our website.

#### SYSTEMATIC SWITCHING

You're a window manufacturer and would like to switch to our GEALAN systems? Get in touch with us: together with you, we develop a plan – and provide support in its efficient implementation.





# How can we help you?

With our own team and a strong network in Germany's construction and window industry, GEALAN also supports distributors in every facet of their business. Personal contacts find the right solution for GEALAN's partners and their needs and requirements. The foundation: well thought-out and customisable concepts. Like some examples? GEALAN has those, and much more besides:

## THE GEALAN LEAD PROGRAMME

Receive queries from private customers for your business with the help of GEALAN.

### This is how it works:

1. GEALAN marketing leads prospective private customers to the GEALAN website
2. A private customer enquiry is transferred to the lead programme in which GEALAN partners participate
3. Participating GEALAN partners are notified of suitable requests
4. GEALAN partners process these enquiries through their usual channels
5. The status of requests is documented in the lead programme

**Sign up now and for the initial year try it out for free!**

## GEALAN SHOWROOM CONCEPT

Sales support for partners provided by GEALAN solutions and expertise

### Modular and individual

Showroom design: GEALAN supplies your showroom equipment, from brochure stands to window elements, modularly adaptable to your room size! An individual room concept can be provided if required.

### Showroom construction:

customers select between different delivery and set-up options:

- + Only architectural drawings
- + Element holders for you to set up on your own
- + Delivery and set-up provided by showroom supplier





# We're there for you

## FEEL FREE TO CONTACT US!

[Kundenservice@gealan.de](mailto:Kundenservice@gealan.de)

Or get in touch directly with your personal contact at GEALAN should you have any questions or suggestions.



**Window  
manufacturers**



**Architects &  
planners**



**Window distributors  
and fitters**

## PROVEN EXPERTISE AND PERSONAL ADVICE

When architects and planners need support with issues relating to windows and doors, we at GEALAN are there for them in person!

### **Architectural Advice Service**

The experts at GEALAN advise architects and planners with proven expertise, and for the most part, they do this directly on site:

- + Introduction of window systems
- + Advice on innovations and technologies
- + Advice on the choice of colours for the elements
- + Technical project consultancy and design guidance on site
- + Introduction and training on software and BIM solutions
- + Provision of documents, samples and test certificates
- + Personalised advice possible during all service phases of planning

### **Planning support**

At GEALAN, you can expect a wide range of services for your construction project:

- + Element testing and technical feasibility (size, sound insulation, thermal insulation)
- + Development of custom solutions and designs
- + U- and R-value calculations (thermal insulation and sound insulation)
- + Creation of CAD drawings
- + Support with tenders and building mock-ups
- + Referral of and connection to sustainable window suppliers based on project specifications
- + Telephone support with all enquiries received via the Customer Service Centre

... THAT'S WHY GEALAN

[www.gealan.de](http://www.gealan.de)