



WHY GEALAN...



# SYSTEMATIC INNOVATION

Discover the fascinating world of cutting-edge window systems. Familiarise yourself with 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 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 heat, sound and burglary protection or ventilation – windows and doors made from GEALAN profile systems are at the cutting edge of technology.





For more information, simply scan  
the QR code or visit our website



# GEALAN – your strong partner

## WE WANT TO INSPIRE YOU



Make a conscious decision in favour of GEALAN window and door systems. This will strengthen your position in the market – thanks to their 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.

**PROFILE SYSTEMS** ..... Page 04-21

**TECHNOLOGIES** ..... Page 22-29

**SLIDING SOLUTIONS** ..... Page 30-31

**ADDITIONAL FUNCTIONS** Page 32-35

**SERVICE** ..... Page 36-43



# S 9000 product family

## ONE PLATFORM – MANY SOLUTIONS

S 9000 is the platform for the construction of windows, front doors and lift-slide doors with innovative product features in rebate or centre seal versions and offers numerous solution options.

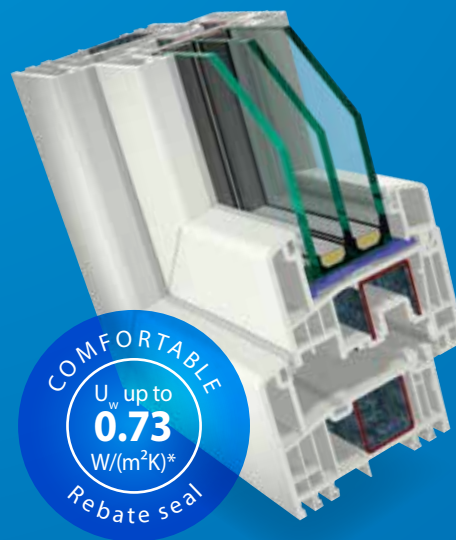
*\*All  $U_w$  values are calculated on the basis of the standard window size B 1.23 m x H 1.48 m,  $U_g = 0.5 \text{ W/(m}^2\text{K)}$  and Swiss Spacer Ultimate edge seal  $0.030 \text{ W/mK}$*

*This entire brochure is subject to technical changes and typographic colour deviations.*



For more information, simply scan the QR code or visit our website

### S 9000 WITH TWO SEALING LEVELS

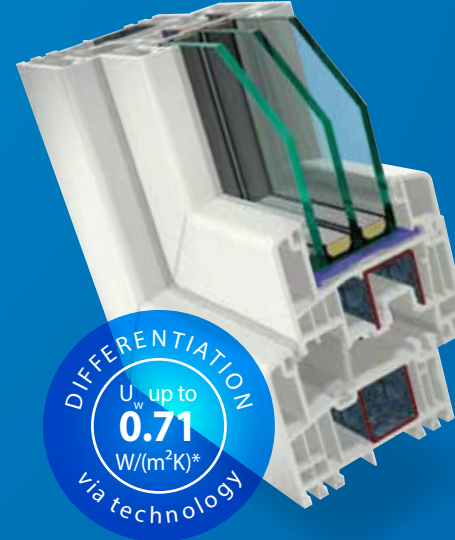


#### BASIC SYSTEM

System:	S 9000
Combination:	6001 / 6003
$U_f$ value:	up to $1.0 \text{ W/(m}^2\text{K)}$
Construction depth:	82.5 mm
Chambers:	6
Best $U_w$ value:	$0.73 \text{ W/(m}^2\text{K)}^*$

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

### S 9000 WITH THREE SEALING LEVELS

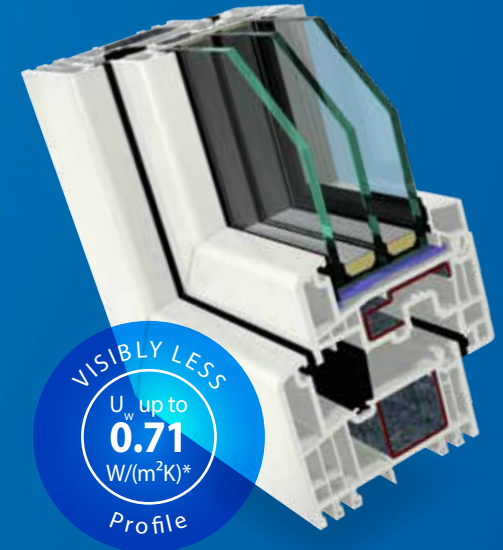


#### MORE EFFICIENCY

System:	S 9000
Combination:	6002 / 6003
$U_f$ value:	up to $0.92 \text{ W/(m}^2\text{K)}$
Construction depth:	82.5 mm
Chambers:	6
Best $U_w$ value:	$0.71 \text{ W/(m}^2\text{K)}^*$

Three sealing levels throughout with a flexible central seal 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 seal.

### GEALAN-LUMAXX®



#### NARROWEST ELEVATION

System:	S 9000
Combination:	6002 / 6055
$U_f$ value:	up to $0.99 \text{ W/(m}^2\text{K)}$
Construction depth:	82.5 mm
Chambers:	6
Best $U_w$ value:	$0.71 \text{ W/(m}^2\text{K)}^*$

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.



## GEALAN-FUTURA®



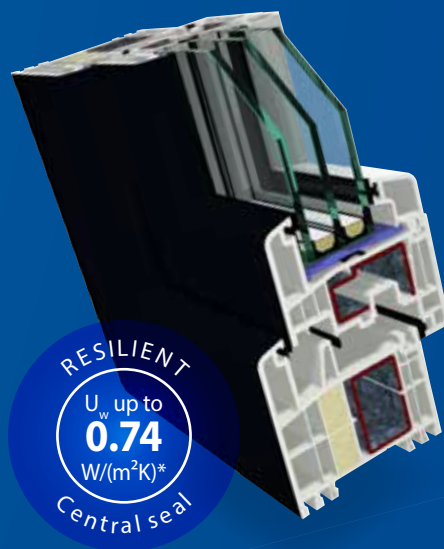
PASSIVE HOUSE COMPATIBLE  
In accordance with ift  
 **$U_w$  up to 0.71**  
 $W/(m^2K)^*$

### BEST PERFORMANCE VALUES

System: S 9000  
Combination: GEALAN-FUTURA®  
 $U_i$  value: up to  $0.89 W/(m^2K)$   
Construction depth: 82.5 mm  
Chambers: 6  
Best  $U_w$  value:  $0.71 W/(m^2K)^*$

GEALAN-FUTURA® is the combination with the best performance values in the S 9000 system. It offers the possibility of building window elements suitable for passive houses, even in colour, with standard profiles and standard 2 mm steel stiffeners. When using STV® bonding technology, maximum sash heights of up to 2.50 m in white and 2.40 m in colour are possible.

## S 9000 PLUS



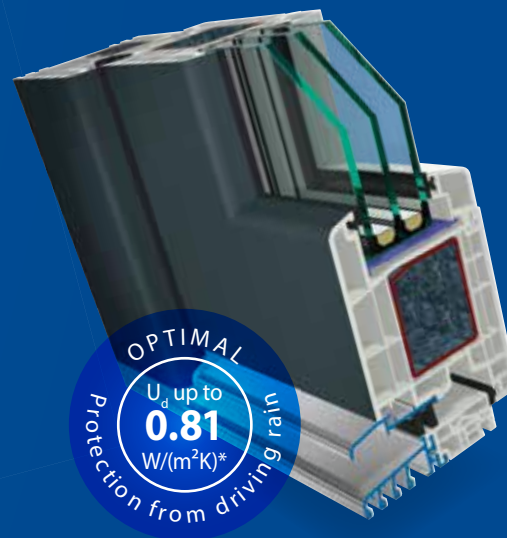
RESILIENT  
 **$U_w$  up to 0.74**  
 $W/(m^2K)^*$   
Central seal

### ENHANCED SECURITY

System: S 9000 plus  
Combination: 6009 / 6003  
 $U_i$  value (HotBox): up to  $0.98 W/(m^2K)$   
Construction depth: 82.5 mm  
Chambers: 6  
Best  $U_w$  value:  $0.74 W/(m^2K)^*$

The fixed central sealing dome of the S 9000 plus makes life much more difficult for burglars. It also effectively protects the window's mechanical parts from external influences. Central seal systems also convince with the best properties in terms of thermal insulation.

## S 9000 FRONT DOOR



OPTIMAL  
 **$U_d$  up to 0.81**  
 $W/(m^2K)^*$   
Protection from driving rain

### TRADITIONAL POWERFUL PERFORMANCE

System: S 9000  
Combination: 6016 / 6025  
 $U_i$  value:  $1.2 W/(m^2K)$  -  $U_i$  averaged  
Construction depth: 82.5 mm  
Chambers: 5  
Best  $U_d$  value: up to  $0.81 W/(m^2K)$   
Standard size  $w \times h = 1.23 m \times 2.18 m$

A house's front door is its calling card and lend charm and aesthetics to the entrance area. With its S 9000 front door system, GEALAN offers something for every taste. There is a traditional version and a leaf-covering one.

## S 9000 LIFT-SLIDE DOOR



MODERN  
 **$U_w$  up to 0.82**  
 $W/(m^2K)^*$   
System technology

### SOPHISTICATED TECHNOLOGY

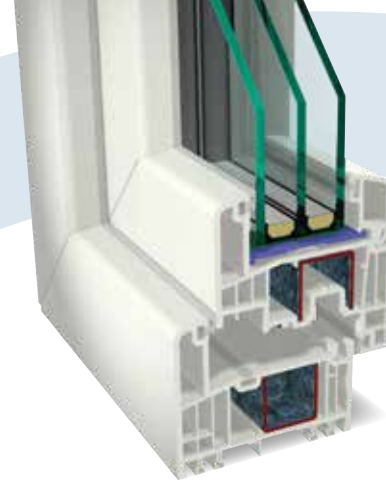
System: S 9000  
Combination: HST S 9000  
 $U_i$  value: up to  $1.2 W/(m^2K)$   
Construction depth: 190 mm / 82.5 mm  
Chambers: 5  
Best  $U_w$  value:  $0.82 W/(m^2K)$   
Standard size  $w \times h = 2 m \times 2.18 m$

Sliding elements are a classic stylistic feature in modern living, with generously designed glass surfaces conveying a sense of comfort and elegance. The new S 9000 lift-slide door from GEALAN more than meets these requirements, both visually and functionally. In this design variation, the profile's visible width in the fixed field is reduced by more than 50 percent.

# S 9000 with two sealing levels

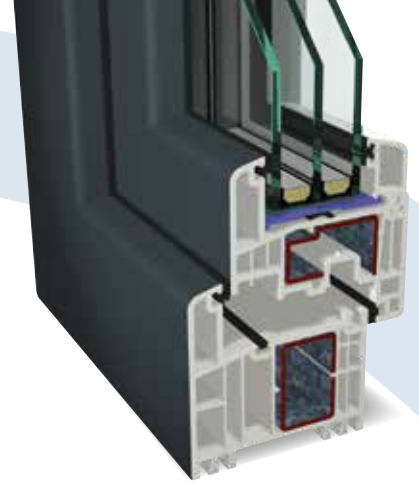
## A SYSTEM WITH MANY ADVANTAGES

The S 9000 profile system gives you a cutting-edge system that can be used in both new buildings and renovations. The profile geometries have a 15° slope in the overlap and underline this system's timeless look. Through the targeted use of foam technology IKD® (intensive core insulation), outstanding thermal insulation properties are achieved, even with coloured windows.



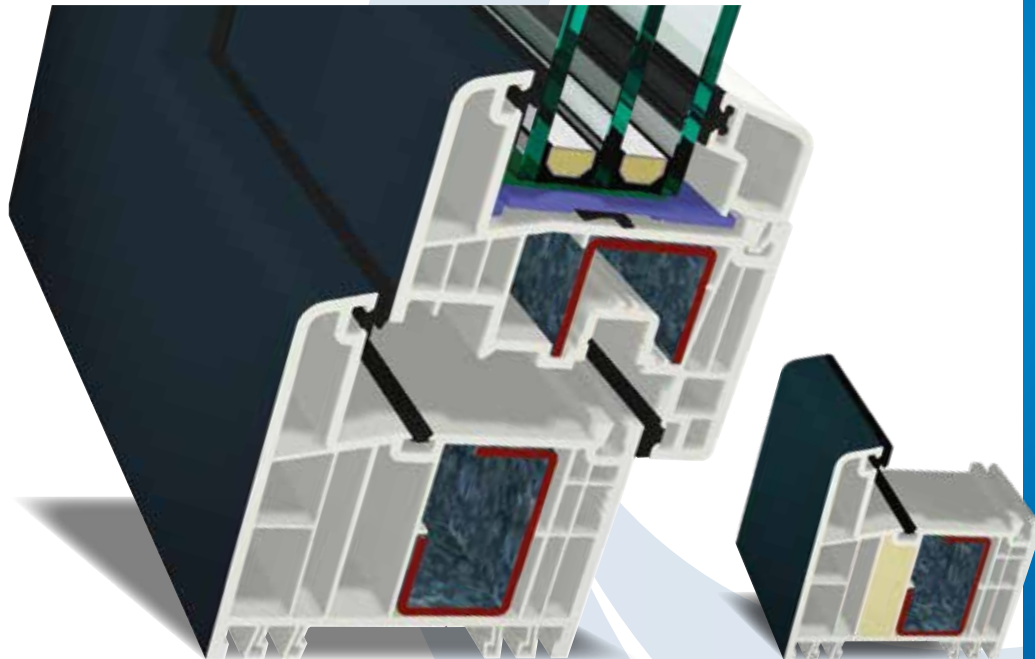
**Profile combination 6001 / 6003**

*Narrow frame with sash*



**Profile combination 6015 / 6003**

*A high frame with top marks in stability due to large-format structural steel in the sash*



*Frame with foamed IKD® chamber*

1

### STATICS

Optimised for the use of STV® – the static dry glazing, in order to dry-bond the pane and sash overlap.

2

### GLAZING

Suitable for accommodating triple functional glazing up to a maximum of 52 mm (STV® 54 mm) thickness.

3

### FUTURE-PROOF

Very good thermal and sound insulation due to 6-chamber construction, large depth of 82.5 mm for frame and sash.

4

### HEAT-INSULATING

Improved thermal insulation possible through the use of IKD® foam technology.

5

### DESIGN-ORIENTED

Narrow profile visible width with 15° slope for a timeless look.

6

### COLOURATION

GEALAN-acrylcolor® ensures high scratch resistance and a smooth, easy-to-clean and maintenance-free surface.

# COMFORTABLE ALL ROUND

Profile combinations				U <sub>w</sub> values in W/(m <sup>2</sup> ·K)				
Frame	Frame steel	Sash	Sash steel	Best U <sub>f</sub> value	with U <sub>g</sub> 1.1	with U <sub>g</sub> 0.7	with U <sub>g</sub> 0.6	with U <sub>g</sub> 0.5
6001	6705	6003	6705	1.0	1.1**	0.87*	0.80*	0.73*
6015	6718	6003	6714	1.1	1.2**	0.91*	0.85*	0.78*
6015 with IKD*	6716	6003	6706	0.97	1.1**	0.87*	0.80*	0.74*

\*The U<sub>w</sub> values are calculated on the basis of the standard window size W 1.23 m x H 1.48 m, with Swiss Spacer Ultimate edge seal 0.030 W/mK

\*\*The U<sub>w</sub> values are calculated on the basis of the standard window size W 1.23 m x H 1.48 m, with Swiss Spacer Ultimate edge seal 0.032 W/mK

For more information, simply scan  
the QR code or visit our website







For more information, simply scan  
the QR code or visit our website

# ENHANCED BURGLARY PROTECTION

8

Profile combinations				U <sub>w</sub> values in W/(m <sup>2</sup> ·K)				
Frame	Frame steel	Sash	Sash steel	Best U <sub>f</sub> value	with U <sub>g</sub> 1.1	with U <sub>g</sub> 0.7	with U <sub>g</sub> 0.6	with U <sub>g</sub> 0.5
6002	6705	6003	6705	0.92	1.1**	0.84*	0.78*	0.71*
6016	6718	6003	6714	1.0	1.1**	0.88*	0.81*	0.75*
6016 with IKD*	6716	6003	6706	0.89	1.1**	0.84*	0.77*	0.71*
6009 with IKD*	6716	6003	6706	0.98	1.1**	0.87*	0.81*	0.74*

\*The U<sub>w</sub> values are calculated on the basis of the standard window size W 1.23 m x H 1.48 m, with Swiss Spacer Ultimate edge seal 0.030 W/mK

\*\* The U<sub>w</sub> values are calculated on the basis of the standard window size W 1.23 m x H 1.48 m, with Swiss Spacer Ultimate edge seal 0.032 W/mK

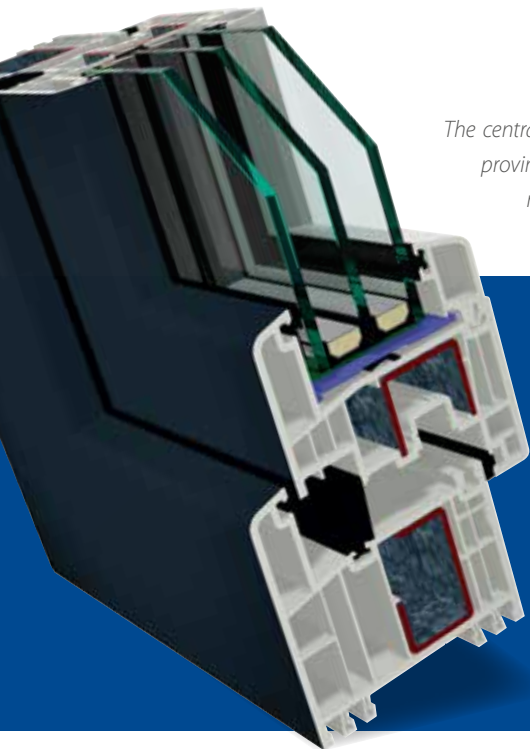


# S 9000

## WITH THREE SEALING LEVELS

### OPTIMISED THERMAL INSULATION

Developing a system with the best heat insulation properties is not a matter of chance, but rather the result of focused development work. This success has proved GEALAN right. Numerous calculations have produced outstanding heat insulation values. From the very beginning, the aim of the development was to achieve passive house compatibility as defined by ift-Rosenheim in standard combinations with steel. This was accomplished through the sum of the innovative design details.



*The central sealing level contributes significantly to improving thermal insulation and protects fitting elements from moisture penetration.*

- + Intelligent sealing concept
- + Very good thermal and sound insulation
- + Improved thermal insulation possible through the use of IKD® foam technology
- + Optimised for the use of STV® to dry-bond the pane and sash overlap.

# S 9000 plus

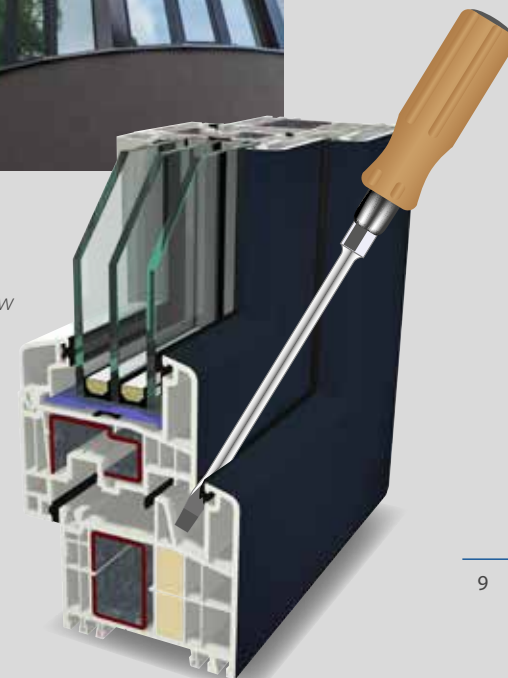
## RESILIENT CENTRAL SEALING DOME

### OUTSTANDING BREAK-IN RESISTANCE

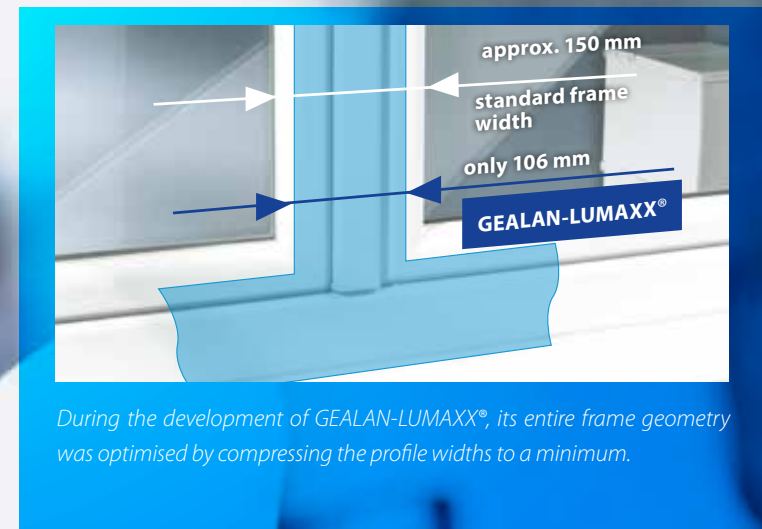
The S 9000 plus system is even safer than the standard S 9000 system. The fixed central sealing dome makes burglars' lives considerably more difficult. Most burglaries are committed by levering out the windows – the intruder inserts a screwdriver between the frame and the sash. At this point, however, they encounter an effective barrier in the shape of the fixed dome. This dome makes it much more difficult to gain access to the window fitting and thus to lever out the window sash. Central sealing systems also impress due to their excellent thermal insulation.



*This central sealing web effectively protects the window system's mechanical parts from external influences. Central sealing systems also convince with the best properties in terms of thermal insulation.*



# SIMPLY MORE LIGHT



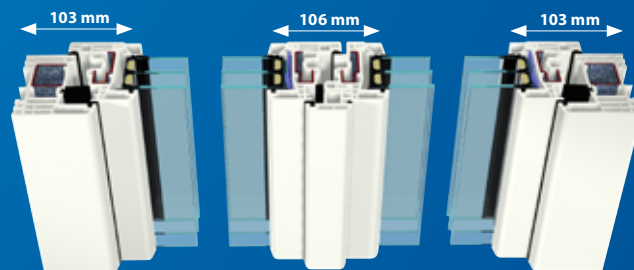
For more information, simply scan the QR code or visit our website



# GEALAN-LUMAXX®

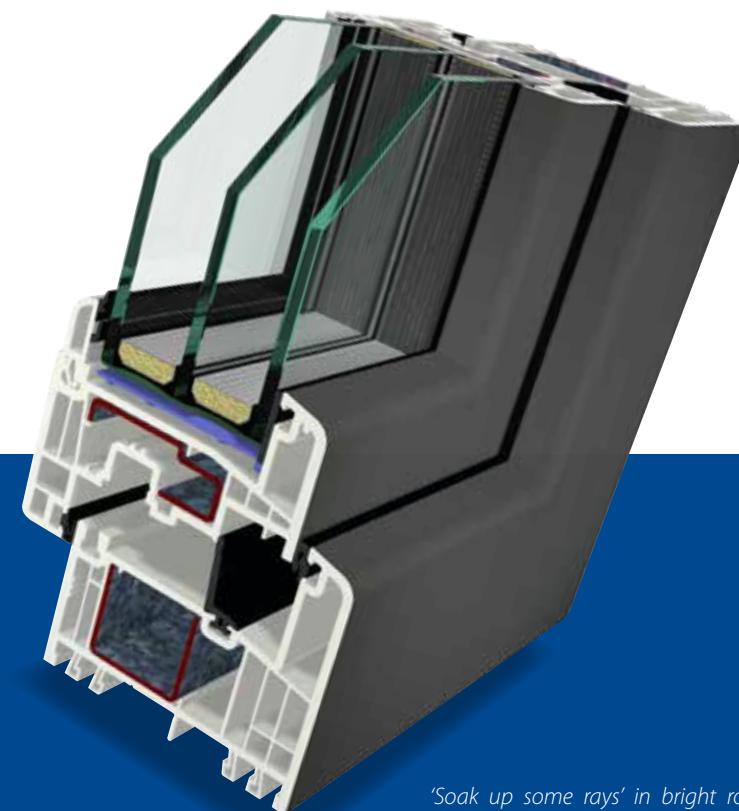
## SLIM ELEVATION WIDTHS SPEAK FOR THEMSELVES

Differentiate yourself from the competition by winning your customers over with slim visible face widths. GEALAN-LUMAXX® is considerably narrower than previous profile combinations. In contrast to conventional designs with widths of 150 mm and more, slimmer visible widths are possible with GEALAN-LUMAXX®. This means a high incidence of light without having to forego stability.



### NO COMPROMISES

Despite narrow elevations, the GEALAN-LUMAXX® sash and lock plate profiles do not compromise on statics. Both use a uniform steel which, due to its static properties, allows element heights of up to 2.30 m in white and in colour. In combination with STV® bonding technology, element heights of up to 2.50 m in white and colour are possible.



*'Soak up some rays' in bright rooms thanks to windows with slim frames. In this way, quality of life can be increased.*

Profile combinations				U <sub>w</sub> values in W/(m <sup>2</sup> ·K)				
Frame	Frame steel	Sash	Sash steel	Best U <sub>f</sub> value	with U <sub>g</sub> 1.1	with U <sub>g</sub> 0.7	with U <sub>g</sub> 0.6	with U <sub>g</sub> 0.5
6002	6705	6055	6753	0.99	1.1**	0.86*	0.79*	0.71*

\*The U<sub>w</sub> values are calculated on the basis of the standard window size W 1.23 m x H 1.48 m, with Swiss Spacer Ultimate edge seal 0.030 W/mK

\*\*The U<sub>w</sub> values are calculated on the basis of the standard window size W 1.23 m x H 1.48 m, with Swiss Spacer Ultimate edge seal 0.032 W/mK



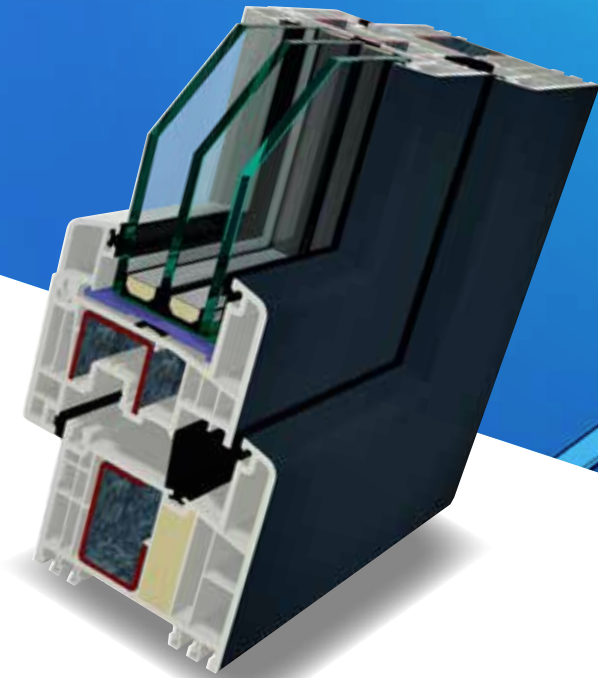
### RENOVATION AND HERITAGE PROTECTION

Slim elevations are also in demand for the renovation of listed buildings allowing the filigree effect of historical window shapes to be retained. With GEALAN-LUMAXX®, particularly narrow visible widths can also be realised in a historical look (decorative profiles). This results in up to a 25% greater glass proportion and light incidence.

# GEALAN-FUTURA®

## PASSIVE HOUSE COMPATIBLE ACCORDING TO IFT

GEALAN-FUTURA® is the single profile combination in S 9000 with the best performance values. It offers the opportunity to build window elements suitable for passive houses with standard profiles and standard steel stiffeners, even in colour according to the ift guideline WA-15/2. The tested  $U_f$  value of  $0.89 \text{ W/(m}^2\text{K)}$  confirms its excellent basic thermal insulation properties. With GEALAN-FUTURA®, maximum sash sizes of up to 2.50 m in white and 2.40 m in colour are possible when using STV® bonding technology.



### S 9000

GEALAN-FUTURA® is the highlight of the S 9000 combi system featuring a 82.5 mm construction depth and is suitable for the construction of windows suitable for passive houses according to ift guideline WA-15/2, also in colour throughout.

### FLEXIBLE

Despite the best thermal insulation properties, nothing needs to be dispensed with in terms of building elements with GEALAN-FUTURA®. This profile combination is available with decorative foils or aluminium shells as well as with the unique GEALAN-acrylcolor® surface.

### STV® INTEGRATED

GEALAN-FUTURA® can also use the innovative, RAL-certified glass bonding process GEALAN STV® (static dry glazing). With STV® and standard stiffeners, sash sizes up to 2.40 m in colour are possible.

### IKD® INTEGRATED

Through the targeted use of foam technology IKD® (intensive core insulation), outstanding thermal insulation properties are achieved, even with coloured windows.

Profile combinations				$U_w$ values in $\text{W/(m}^2\text{K)}$				
Frame	Frame steel	Sash	Sash steel	Best $U_f$ value	with $U_g 1.1$	with $U_g 0.7$	with $U_g 0.6$	with $U_g 0.5$
6016 with IKD®	6716	6003	6706	0.89	1.1**	0.84*	0.77*	0.71*

\*The  $U_w$  values are calculated on the basis of the standard window size  $W 1.23 \text{ m} \times H 1.48 \text{ m}$ , with Swiss Spacer Ultimate edge seal  $0.030 \text{ W/mK}$

\*\*The  $U_w$  values are calculated on the basis of the standard window size  $W 1.23 \text{ m} \times H 1.48 \text{ m}$ , with Swiss Spacer Ultimate edge seal  $0.032 \text{ W/mK}$



# THE WINDOW OF THE FUTURE

*For more information, simply scan  
the QR code or visit our website*





For more information, simply scan  
the QR code or visit our website

# FRONT DOORS WITH STYLE

## TRADITIONAL

*Even with the traditional front door version, you give your house a very personal touch. Because there are no limits to the play of shapes and colours. Design your front door according to your personal taste.*



## DESIGN

*The elevation of the door leaf in this design variant offers the highest level of aesthetics without having to forego the need for security and thermal insulation. This not only creates more design freedom, but also makes it easier to care for your front door.*





# S 9000 front door

## FUTURE-PROOF ALL THE WAY

A house's front door is its calling card and lend charm and aesthetics to the entrance area. With its S 9000 front doors, GEALAN offers something for every taste. You can choose between the traditional and the leaf-covering version. And thanks to its flexible colour design, there is the option of adapting your new front door to your building's overall look.

Profile combinations				U <sub>g</sub> values in W/(m <sup>2</sup> ·K)				
Frame	Frame steel	Sash	Sash steel	Best U <sub>f</sub> value	with U <sub>g</sub> 1.1	with U <sub>g</sub> 0.7	with U <sub>g</sub> 0.6	with U <sub>g</sub> 0.5
6016	6718	6025	6721	1.2	1.2**	0.93*	0.87*	0.81*

\*The U<sub>w</sub> values are calculated on the basis of the standard door size W 1.23 m x H 2.18 m, with Swiss Spacer Ultimate edge seal 0.030 W/mK

\*\*The U<sub>w</sub> values are calculated on the basis of the standard door size W 1.23 m x H 2.18 m, with Swiss Spacer Ultimate edge seal 0.032 W/mK

## GEALAN SYSTEM FLOOR THRESHOLD

### THERMAL INSULATION

- + Excellent thermal separation, even in the area of the strikers, through composite solution of aluminium and PVC.
- + Very good isothermal curve – the risk of condensation or thermal bridges is minimised.

**82,5  
mm**

### LOW THRESHOLD

- + With a height of only 20 mm, the system floor threshold ensures an easy transition.



### STABILITY

- + Firm threshold bond due to the interlocking of the PVC and aluminium part in two levels.

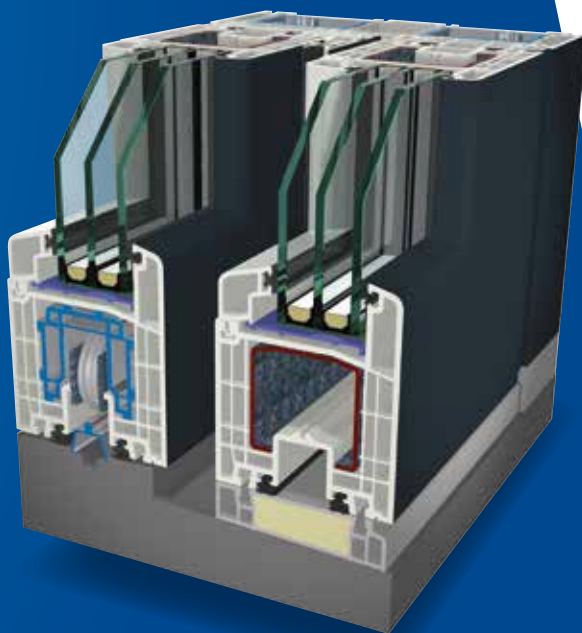


- + System solution for weatherboards visually enhances door elements and ensures optimum sealing through brush seals on several levels
- + Optimal driving rain protection
- + Suitable for accommodating glass and panel thicknesses up to 52 mm
- + Flexible colour design thanks to GEALAN-acrylcolor® surface technology, numerous decorative foils or aluminium shells

# S 9000 lift-slide door

## BENEFITS IN EVERY AREA

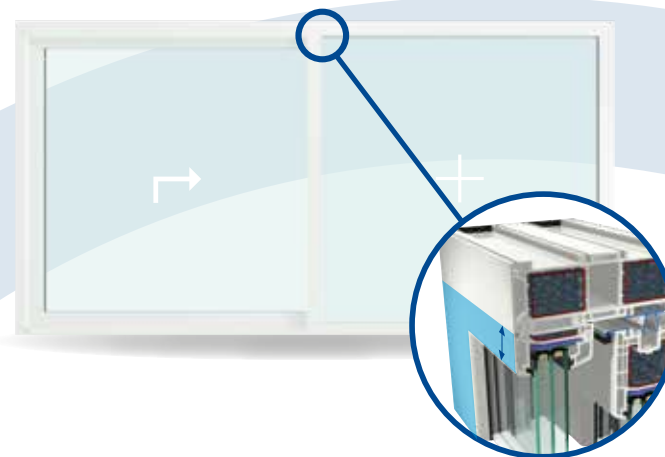
Sliding elements are a classic stylistic feature in modern living, with generously designed glass surfaces conveying a sense of comfort and elegance. The S 9000 lift-slide door from GEALAN more than meet these requirements, both visually and functionally.



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

Even in its basic version, the new lift-slide door S 9000 achieves a very good thermal insulation value of  $U_f=1.3 \text{ W/m}^2\text{K}$ . 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

16 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.

## COMBINATIONS HST S 9000 STANDARD

Profile combinations				$U_w$ values in $\text{W}/(\text{m}^2\cdot\text{K})^*$				
Frame	Frame steel	Sash	Sash steel	Best $U_f$ value	with $U_g 1.1$	with $U_g 0.7$	with $U_g 0.6$	with $U_g 0.5$
6360	6381	6362	6382/6383	1.3	1.2**	0.97*	0.91*	0.84*
6360 with IKD*	6381	6362	6382/6383	1.2	1.2**	0.95*	0.88*	0.82*

\*The  $U_w$  values are calculated on the basis of the standard door size  $W 2.00 \text{ m} \times H 2.18 \text{ m}$ , with Swiss Spacer Ultimate edge seal  $0.030 \text{ W/mK}$

\*\*The  $U_w$  values are calculated on the basis of the standard door size  $W 2.00 \text{ m} \times H 2.18 \text{ m}$ , with Swiss Spacer Ultimate edge seal  $0.032 \text{ W/mK}$



# A MODERN APPEARANCE WITH NO LIMITATIONS

For more information, simply scan  
the QR code or visit our website



## 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.*

# GEALAN-LINEAR®\*

## THE BEST IN ITS CATEGORY

GEALAN attaches great importance to the technical, economic and environmental balance of its systems. For this reason, GEALAN-LINEAR®'s development targets multiple requirements. The 74-mm technology, an advancement in the 70 mm segment, provides high stability with modern functional glasses and the multi-chamber design ensures increased security, sound insulation and thermal insulation. The system's universality is rounded off by its linear design, following the minimalist trend of modern architecture.

### HIGHLIGHTS:

- + Slim 74 mm construction depth in linear design
- + Narrow visible widths for the individual requirements of modern architecture
- + High stability thanks to steel stiffeners, while the universal sash rebate enables either traditional blocking, bonding using GEALAN-STV® bonding technology or production-optimised wet bonding.
- + Wide range for windows, French doors and front doors
- + Matching glazing strip range with 90° design
- + Perfect for renovations, refurbishments and new buildings
- + RealWood® – decorative wood foils for an individual look and feel
- + Maximum glass thickness of 48 mm with seal and 50 mm with GEALAN-STV®

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 with GEALAN-STV® or production-optimised wet bonding.

### LINEAR DESIGN LANGUAGE

The system is based on the 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.

Profile combinations				U <sub>w</sub> values in W/(m <sup>2</sup> ·K)				
Frame	Frame steel	Sash	Sash steel	Best U <sub>i</sub> value	with U <sub>g</sub> 1.1	with U <sub>g</sub> 0.7	with U <sub>g</sub> 0.6	with U <sub>g</sub> 0.5
7001	8727	7072	8727	1.1	1.2**	0.90*	0.83*	0.76*

\*The U<sub>w</sub> values are calculated on the basis of the standard window size W 1.23 m x H 1.48 m, with Swiss Spacer Ultimate edge seal 0.030 W/mK

\*\*The U<sub>w</sub> values are calculated on the basis of the standard window size W 1.23 m x H 1.48 m, with Swiss Spacer Ultimate edge seal 0.032 W/mK



# A DISTINCT DESIGN LANGUAGE IN ITS DESIGN

For more information, simply scan  
the QR code or visit our website



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



# GEALAN-KUBUS®

## SIMPLY BEAUTIFUL WINDOWS

The GEALAN-KUBUS® system defines a new design for plastic 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



- ① All-round right-angled look – inside and also outside.
- ② Sash not visible from the outside.



- ③ Jointless sash design without glazing strips and flush elevation via optional clip profile ④.



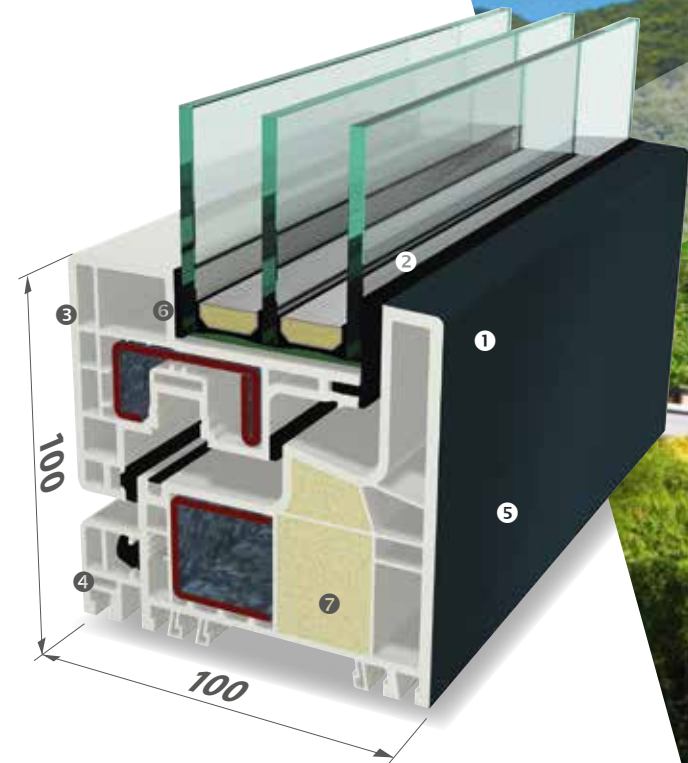
- ⑤ Unique surface quality owing to exclusive GEALAN-acrylcolor® technology on the outside.



- ⑥ Innovative STV® bonding technology enables a 'rimless' design on the sash and ensures maximum stability.



- ⑦ Outstanding thermal insulation through foamed profile chambers



Profile combinations				U <sub>w</sub> values in W/(m²·K)				
Frame	Frame steel	Sash	Sash steel	Best U <sub>f</sub> value	with U <sub>g</sub> 1.1	with U <sub>g</sub> 0.7	with U <sub>g</sub> 0.6	with U <sub>g</sub> 0.5
5060	8727	5061	5760	0.88	-	0.83*	0.75*	0.68*

\*The U<sub>w</sub> values are calculated on the basis of the standard window size W 1.23 m x H 1.48 m, with Swiss Spacer Ultimate edge seal 0.030 W/mK

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



For more information, simply scan  
the QR code or visit our website



**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





*For more information, simply scan  
the QR code or visit our website*

# TECHNOLOGICAL EDGE

## **RAL QUALITY ASSURANCE**

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®

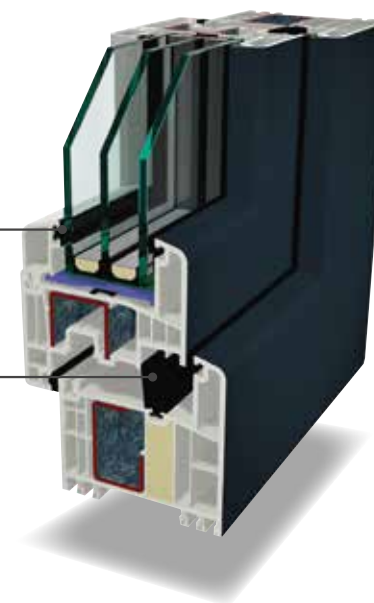
## PROGRESS THROUGH INNOVATION

The requirements that PVC window profiles have to meet have grown considerably in recent years: more heat, burglary and sound protection and better statics. Only cutting-edge window systems that can meet this requirement profile 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.

STV® Static  
Dry Glazing

IKD®  
Intensive  
core insulation



IKD®

STV®



**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.

**STV® – Static Dry Glazing** – is an innovation for dry bonding the pane and sash overlay – without compromising ease of processing. Damaged panes can also be replaced easily. 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.





For more information, simply scan  
the QR code or visit our website

PROVEN SINCE 1980

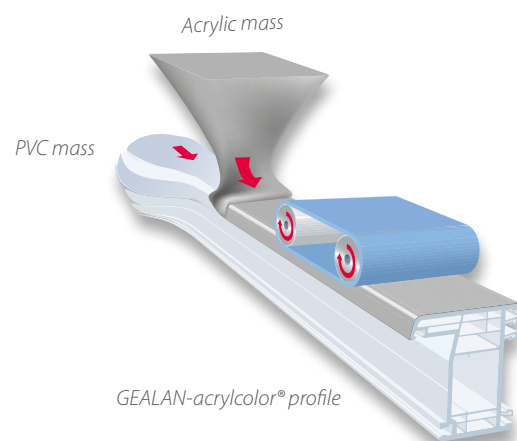


# GEALAN-acrylcolor®

## UNIQUE COLOURATION



GEALAN has been producing coloured profiles in a co-extrusion process for over 40 years. GEALAN sets a benchmark with the use of this surface technology, because it differs significantly from usual colouring processes. The result stands for resistant surfaces and many years of colour fastness. Windows made of GEALAN-acrylcolor® profiles also meet the highest technical and functional demands.



In the co-extrusion process, the white PVC base and the coloured acrylic glass (Plexiglas) are fused together. Acrylic glass is a premium product that has proven its qualities many times in such industrial sectors as the automotive industry (rear lights) and interior design. The PVC profile acts as a carrier material, while the acrylic layer improves the profiles' surface. The layer thickness is thick enough to mend scratches or damage caused by external influences.

## MODERN COLOURS

With GEALAN-acrylcolor® surface technology, a high-quality surface and modern colours belong together. The colour range is always oriented towards the trend colours in Europe. You can find our latest colour range on our website.

## TECHNOLOGIES



### Scratch-resistant

The hard GEALAN-acrylcolor® surface is scratch-resistant and non-sensitive. This makes windows one of the most resistant construction elements.



### No flaking

Due to the inseparable bond and the hard surface, any flaking or chipping of the paint layer is permanently prevented.



### Lightfast

Acrylic glass is an extremely colour-fast and light-resistant material. Car tail lights are vivid proof of its properties.



### Low-maintenance

The non-porous surface makes GEALAN-acrylcolor® windows easy to clean. Their elegant brush effect also makes them dirt-resistant.



### Stronger

At approx. 0.5 mm, the GEALAN-acrylcolor® layer is thicker than any paint layer or decorative film layer. Should superficial scratches occur, there is – in contrast to other colouring systems – sufficient material reserves for polishing them out.



### Durable

The acrylic glass and PVC profile are so strongly fused with one another on a molecular level that an above-average service life for the windows is achieved.

# Decorative wood and monochrome foils

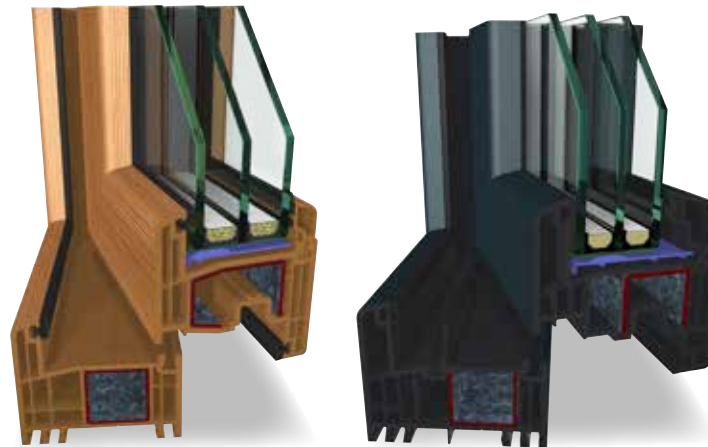
## DECEPTIVELY REAL AND VERSATILE

Plastic 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 such as traditional grained, smooth or in the genuine wood look of the RealWood foil range. Whether for renovation or a planned new build, decorative windows have all the positive characteristics of modern PVC windows and at the same time the decorative effect of wood.



### 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.



*The base profile bodies are supplied with decorative foil on the outside and inside of the profile in the same colour as the inner decorative foil. The foils in anthracite grey (RAL 7016) and black are offered in the S 9000 systems (incl. lift-slide door, S 9000 plus and GEALAN-SMOOVIO® with foiling on both sides) on dark grey base bodies.*



## GEALAN-ACRYLCOLOR® + FOIL



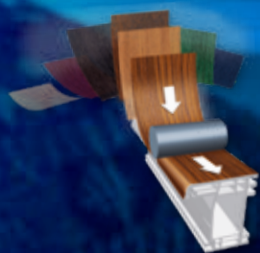
*You don't have to forego GEALAN-acrylcolor®'s outstanding properties if you want to design the insides of windows with decorative film.*

## FOIL + FOIL



*Different decors are possible on the outside and inside. The outside of the windows matches the facade – on the inside, the window is oriented to the furnishing style.*

## HUGE RANGE



*Quick change from decorative foil and profile geometry in production. An almost unlimited number of possible combinations opens up.*

*For more information, simply scan  
the QR code or visit our website*



# NATURAL APPEARANCE

# RealWood foils

## EXCLUSIVITY MAKES THEM SPECIAL



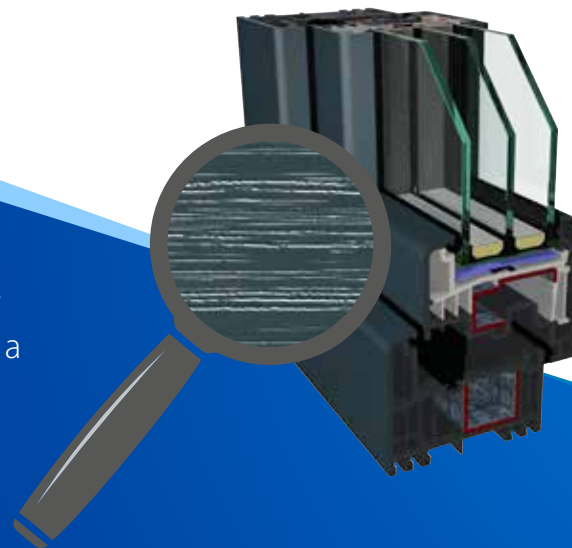
Do your customers value a natural look without having to forego the advantages of modern window technology? PVC windows with a wood decor look are available for this purpose. No matter whether for renovation or a planned new build – GEALAN wood decor windows will win your customers over. Not only visually, but also in terms of durability.



**RealWood foils give windows a very special look. Because they're much less shiny than standard wood decor foils, have an attractive embossing and give the windows the natural appearance of wood.**

### IMPRESSIVE ALL ROUND

RealWood foils convince with a new surface structure and give windows a natural look. They are available in all GEALAN systems.



You can find our latest RealWood foils on our website:  
**[www.gealan.de](http://www.gealan.de)**







# EXCLUSIVE WOODEN LOOK

For more information, simply scan  
the QR code or visit our website



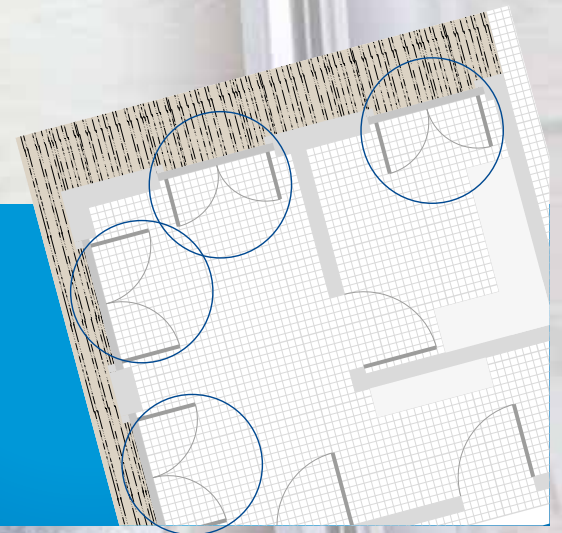




For more information, simply scan  
the QR code or visit our website

# 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 – FIXED 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. The living space right in front of the window can also be utilised.



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



**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.**

Profile combinations				U <sub>w</sub> values in W/(m <sup>2</sup> ·K)*				
Frame	Frame steel	Sash	Sash steel	Best U <sub>f</sub> value	with U <sub>g</sub> 1.1	with U <sub>g</sub> 0.7	with U <sub>g</sub> 0.6	with U <sub>g</sub> 0.5
5860	6718+5896	5862	5880	1.5	1.3**	0.96*	0.88*	0.81*

*\*The U<sub>w</sub> values are calculated on the basis of the standard door size W 2.00 m x H 2.18 m, with Swiss Spacer Ultimate edge seal 0.030 W/mK*

*\*\*The U<sub>w</sub> values are calculated on the basis of the standard door size W 2.00 m x H 2.18 m, with Swiss Spacer Ultimate edge seal 0.032 W/mK*

### PREMIUM COMPONENTS



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

# GEALAN-CAIRE®

## VENTILATING PROPERLY WITH KNOW-HOW

### Incentives available

Decentralised ventilation of living spaces is becoming more and more important due to legal requirements and increasing energy demands. The GEALAN-CAIRE® product range offers your customers suitable answers. Active GEALAN-CAIRE® systems meet the legal minimum technical requirements\*, making their installation eligible for tax incentives since January 2020.

*\*Energetic Refurbishment Measures Ordinance (ESanMV) Annex 5*

Clean air in your own home is not only 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. The solution is GEALAN-CAIRE® ventilation systems. They bring fresh air into your house day and night – without having to open a window. Dust and pollen thus do not enter your interior spaces.

### EFFECTIVE POLLEN PROTECTION

Active GEALAN-CAIRE® ventilation systems work with effective filters that meet the latest standards. They filter out many problematic particles from supply air.

### NOISE PROTECTION FOR A RELAXING SLEEP

GEALAN-CAIRE® ventilation systems achieve good noise protection values. Regardless of which system you choose, the soundproofing effect of your external walls and windows stays at a consistently high level.

### SAVE THE ENVIRONMENT AND SPARE YOUR WALLET AT THE SAME TIME

Energy efficiency and climate protection are important cornerstones of modern construction. Active, decentralised GEALAN-CAIRE® ventilation systems achieve powerful ventilation with maximum heat recovery using a minimal amount of power.

### CONTROLLED MOISTURE PROTECTION

Moisture needs to be urgently removed from living areas in order to achieve a comfortable humidity of 40 to 50%. GEALAN-CAIRE® ventilation systems remove excess moisture in a controlled manner.

### MORE SECURITY

Traditional shock ventilation with a wide-open window or simple ventilation through windows in the tilt position virtually invites burglars. Your living areas ventilated using GEALAN-CAIRE®, on the other hand, always remain securely locked and burglar-proof.



## PASSIVE VENTILATION WITH GEALAN-CAIRE® FLEX

Barely noticeable, this passive system adapts to its environment and ensures a balanced air exchange. Thanks to compact technology, the window rebate ventilator can be integrated almost invisibly in the window.

## ACTIVE VENTILATION WITH GEALAN-CAIRE® SMART

This active system with heat recovery for the decentralised ventilation of new and existing buildings fits harmoniously into the look of the windows. High quality filters and integrated sensors for temperature and humidity guarantee an optimal room climate. Several power levels including automatic operation are just as possible as its app control and integration into a smart home network.



## ACTIVE VENTILATION WITH GEALAN-CAIRE® MIKROVENT 120\*

One unit of this active ventilation creates an air flow of up to 120 cubic metres per hour and a heat recovery of over 90 per cent. It is best suited for public spaces. The MIKrovent unit is installed from the inside with a connection to the outside wall.

*Availability in preparation\**

## ACTIVE VENTILATION WITH GEALAN- CAIRE® MIKROVENT 60

One single unit of this active ventilation system enables an air flow of up to 60 cubic metres per hour and a heat recovery of at least 95 percent. The MIKrovent unit is installed from the inside with a connection to the outside wall.

*Availability in preparation\**

For more information, simply scan  
the QR code or visit our website



# NOISE-FREE VENTILATION





# INTELLIGENT BURGLARY PROTECTION



*For more information, simply scan  
the QR code or visit our website*



# GEALAN-SENSE®

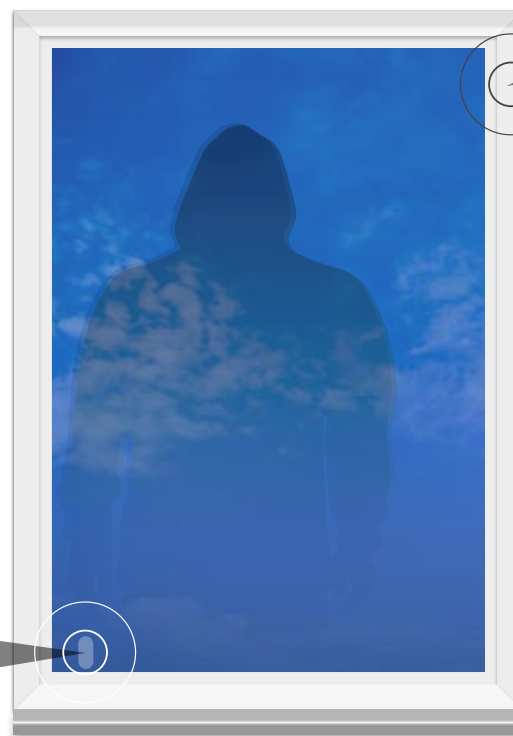
## SAFER ALL ROUND

If a burglar breaks a glass pane or tries to force open a window, GEALAN-SENSE® triggers an acoustic alarm – this can optionally also be effected via your home security system in the future, up to receiving an alert on your smartphone. Independent of the window profile and independent of the fitting.



### GEALAN-SENSE® GLASS BREAKAGE SENSOR

If intruders try to break the window to enter into a house, a glass breakage sensor visibly mounted on the window immediately sounds with an audible alarm. An LED can be activated on the sensor as a preventive function. This flashes red at an interval of 60 seconds and signals that the window is being monitored. The battery-operated GEALAN-SENSE® glass+ sensor uses an optional wireless signal transmission to automatically advise of glass breakage.



#### ADDITIONAL FUNCTIONS

GEALAN-SENSE® window+ offers the option of wireless communication with a smart home system. This allows it to be combined with other security components and can be used to display the status of the window on mobile terminals.



### GEALAN-SENSE® WINDOW OPENING SENSOR

invisible GEALAN-SENSE® window opening sensors consist of two parts: a status sensor and a magnet. The status sensor is mounted in a concealed position on the window sash's fitting and records the position of the window handle. The magnet is mounted in the window frame's rebate and detects the position of the window. This combination triggers a loud alarm via the integrated alarm transmitter as soon as the window is pried open during an attempted break-in.

GEALAN-SENSE® window	GEALAN-SENSE® glass
<ul style="list-style-type: none"> <li>+ pry-open alarm (siren 110 dB)</li> <li>+ independent of the fittings</li> <li>+ independent of the window profile</li> <li>+ concealed</li> <li>+ long maintenance-free service life</li> <li>+ easy installation</li> <li>+ central alerting</li> </ul>	<ul style="list-style-type: none"> <li>+ alarm when breaking the window (siren 110 dB)</li> <li>+ long maintenance-free service life</li> <li>+ easy installation</li> <li>+ central alerting</li> </ul>
Additional equipment in preparation*	Additional equipment in preparation*
<ul style="list-style-type: none"> <li>+ displays the window status (open, closed, tilted)</li> <li>+ 868 MHz smart home wireless communication</li> <li>+ decentralised alerting</li> <li>+ compatible with GEALAN Home / GEALAN-CAIRE® smart</li> </ul>	<ul style="list-style-type: none"> <li>+ 868 MHz smart home wireless communication</li> <li>+ decentralised alerting</li> <li>+ compatible with GEALAN Home / GEALAN-CAIRE® smart</li> </ul>

\*Those product features marked with an asterisk are in preparation and will successively complement the product series.

# FURTHER AND ADVANCED TRAINING

## BOOK YOUR SEMINAR PLACE

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



For more information, simply scan the QR code or visit our website



# GEALAN ACADEMY

## KNOWLEDGE IN A NUTSHELL

Targeted further training to increase your own and your staff's qualifications is one of the most important approaches to ensuring the long-term success of your company, even in a difficult market environment. To support you in this, GEALAN has founded the GEALAN ACADEMY in accordance with the motto 'Systemic innovation'. It offers you intriguing specialist seminars nationwide on all window-related subjects, as well as marketing support in your vicinity. Here is a small excerpt from our current range of seminars:

- + Construction Tendering and Contract Regulations (VOB)  
– new and familiar facts regarding building law
- + Window installation done properly
- + Basics of ventilation with modern window ventilators
- + GEALAN's profile systems
- + Correct insulating glass design – new developments in glass in terms of statics, sound insulation and safety
- + Planning and working with GEALAN planner software
- + 4-day course to become a TÜV-certified installation supervisor

### FURTHER TRAINING – ON-SITE OR VIRTUAL

Webinars are conquering the educational landscape – they allow targeted specialist knowledge to be imparted without the need to spend lots of time travelling or on lecture room costs. New developments can be communicated simply, quickly and with a wide reach. Our webinars are designed to be interactive. This means that participants can communicate during the webinar via a chat function or directly with the moderator.

These webinars are supplemented by numerous e-learning seminars, which you can find on our website.



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

## 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

## Breaking new ground with DBS

### PROCESS EFFICIENCY ON THE CONSTRUCTION SITE

## DBS | WinDo Planning



### WINDOW CONSTRUCTION KNOWLEDGE DIGITALLY, SIMPLY AND UNDERSTANDABLY

#### Planning software

- + Planners can digitally process and check the design, feasibility and function of the structural elements
- + Digital configuration of window elements according to legal guidelines and specifications
- + Consolidate all information on systems, items and rules in a database
- + Integrated tool that maps the technical factors in digital form

#### Building Information Modelling (BIM)

- + A platform for the dynamic configuration of window elements in accordance with fabricator guidelines and legal requirements
- + In-depth technical review
- + Project exchange with planners

## 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



For more information, simply scan the QR code or enter the address directly via the browser:

<https://digitalbuilding.solutions>



# DIGITAL TOOLS



# Information and tools online and digitally

## UNLIMITED RESOURCES



### SALES PROMOTION MATERIALS

The GEALAN shop contains brochures, product samples, promotional and advertising items as well as technical work documents, specially designed for GEALAN partner companies.

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



### PRODUCTS, INFORMATION AND MORE

GEALAN's website is always up to date. There you will find more information about our products, the company and much more.

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



### CUSTOMISED PARTNER SEARCH

To help you find new window segments and appropriate window manufacturers, we support you with a Germany-wide database.

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



*For more information, simply scan  
the QR code or visit our website*



## **YOUR CONTACT AT THE GEALAN CUSTOMER SERVICE CENTRE**

Mon - Thu: 9 a.m. to 3.30 p.m.

Fri: 9.00 a.m. to 12.00 noon

Tel. +49 (0)800 2654 007

Email [kunden-service@gealan.de](mailto:kunden-service@gealan.de)

# INFORMATION POOLS



# WELL EQUIPPED



For more information, simply scan  
the QR code or visit our website



# Structural Engineering Service

## SUPPORT IN EVERY AREA

Our Structural Engineering Service staff are experts who are particularly well acquainted with the window industry. They give advice and support on renovation and new construction projects – from the planning stage to the awarding of contracts. When it comes to realising the technical and visual requirements of a property, GEALAN construction technicians work closely with the architects responsible for planning.

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

**Register now!**



### BIM – BUILDING INFORMATION MODELLING

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



### PSW – MAKING WORK EASIER VIA PLANNER SOFTWARE

GEALAN's Planersoftware 2.0 enables the digital planning and design of windows and doors made from GEALAN profile systems. Here you can access predefined window and door shapes as well as define a door based on your own requirements (e.g. shape and type).



### INFORMATIVE ARCHITECTS' BOX

GEALAN has developed the Architects' Box as a document for architects and planners. It primarily contains 13 practical manuals in DIN A5 format on various topics that are particularly relevant for planners (e.g. room ventilation, installation, sound insulation, etc.). This practice manual range is supplemented by the latest window-related topics on an ongoing basis.

... THAT'S WHY GEALAN

[www.gealan.co.uk](http://www.gealan.co.uk)