

S 9000 GEALAN's new system platform



- + Heat-insulating
- + Flexible
- + Solid
- + Innovative
- + Design-oriented
- + RAL-tested

S 9000

SYSTEMATIC INNOVATION

 **GEALAN**

Convincing arguments

Entirely future-proof

**82.5
mm**

With the S 9000 profile system, you get a state-of-the-art advanced system that can be used equally both for new buildings and for refurbishment. This way, S 9000 develops into a new platform for building windows, front doors, and lift-slide-doors in GEALAN's product portfolio. Furthermore, the new, installation deep system convinces by the following arguments:

Versatile

With an installation depth of 82.5 mm, S 9000 is ideally suitable for new buildings and refurbishments and offers numerous design options, e.g. by means of a mono-French casement profile for particularly narrow views or a semi-recessed window sash.

Powerful

U_f up to
0,89
 W/m^2K

S 9000 is designed for maximum possible thermal insulation. Extraordinary U_f values of up to $0.89W/m^2K$ in the centre seal variant and up to $0.97W/m^2K$ in the rebate seal variant can already be achieved without time-consuming and expensive additional measures – e.g. thermally separated steels.

Design-oriented



The newly developed profile geometries are characterised by the 15° incline in the projection characteristic for GEALAN. It emphasises the timeless visual appearance of the new system.

Recyclable



S 9000 builds upon a closed materials cycle by using entirely recyclable materials and relies upon using material concepts tried and tested for many years.



acrylcolor surface

Windows with the tried-and-tested acrylcolor surface have long service lives and maintain the same surface quality throughout. They offer comprehensive design possibilities for new constructions and renovations.



STV® integrated

You can also use the innovative, RAL-certified glass adhesion method GEALAN STV® (static dry glazing) for S 9000 as well.



IKD® integrated

By using the foaming technology IKD® (intensive core insulation) in a targeted manner, outstanding thermal insulation properties can also be achieved for coloured windows.



S 9000 system platform

- + Windows
- + Lift-slide-doors
- + Front doors



S 9000 system platform

S 9000 combined system

All advantages in one system

As a combined system, GEALAN's new S 9000 system combines the characteristics and advantages of centre and rebate seals with its installation depth of 82.5mm. The huge installation depth, six profile chambers in window frame, sash and mullion and three end-to-end sealing levels guarantee outstanding thermal insulation. This way, the windows themselves meet the highest requirements.

Optimised for using STV® in order to dry bond window pane and sash overlap.



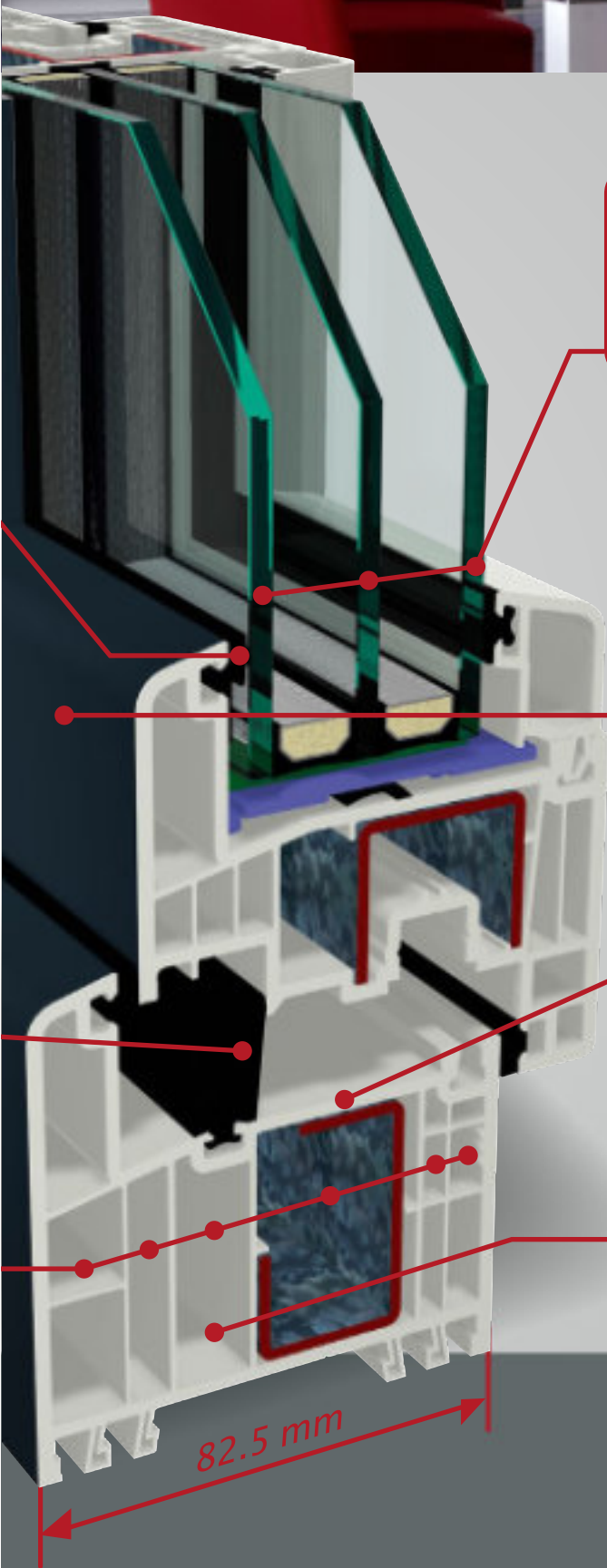
The external acryl-glass coat ensures high resistance to scratching and a smooth surface that is easy to clean and maintain.



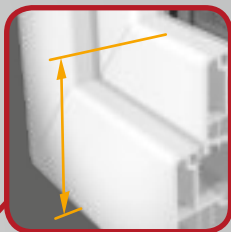
The centre sealing level in the window frame provides an essential contribution to enhancing the thermal insulation. Additionally, it protects the fitting elements against the ingress of moisture resulting in an enhanced opening behaviour, particularly at low outside temperatures. Optionally, S 9000 is also available as a rebate seal version with two sealing levels.

Very good thermal and sound insulation through 6-chamber design and large installation depth for window frame and sash.

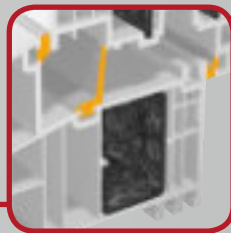
**82.5
mm**



Suitable for supporting triple functional glazing with a maximum thickness of 52 mm (STV® 54 mm).



Narrow profile elevation width and design-oriented 15° incline for timeless visual appearance.



Intelligent sealing concept with three end-to-end sealing levels.



Enhancement of the thermal insulation possible by using the foaming technology IKD®.

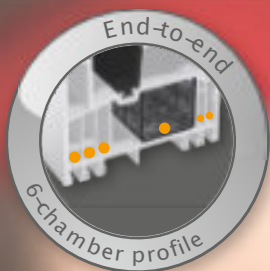
82.5 mm

Optimised thermal insulation

Passive house-compliance according to the ift directive



Developing a system with the best thermal insulation properties is not a coincidence, but the result of target-oriented development work. Our success proves us right. Numerous calculations resulted in extraordinary thermal insulation values. Right from the beginning, the development work aimed at achieving passive house-compliance according to ift in standard combinations with steel and, thus, best thermal insulation properties. This was achieved by the sum of innovative details regarding the system design.



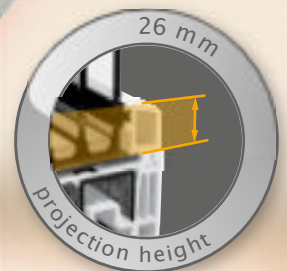
1 End-to-end 6 chambers in window frame, sash, and mullion for outstanding thermal and sound insulation.



2 Precisely fitting steel shapes for an ideal relation between statics and thermal insulation.



3 Intelligent sealing concept with three end-to-end sealing levels. In this, the flexible centre seal in the window frame provides an essential contribution to thermal insulation, since it reduces the heat flow in the rebate area.



4 A high glass projection by a projection height of 26 mm for enhanced thermal insulation.

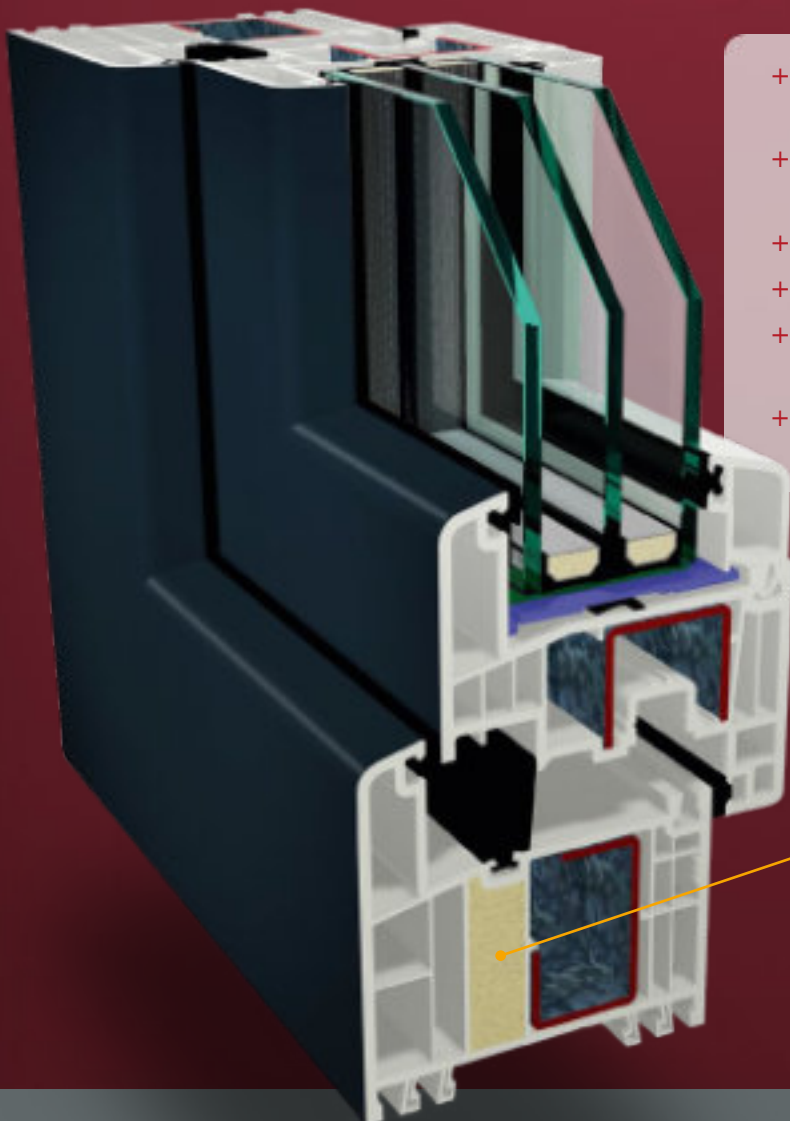
GEALAN-FUTURA®

The passive house-compatible window also in colour

GEALAN-FUTURA® is the individual profile combination in the S 9000 system. It offers the option of building passive house-compatible window elements in colour in accordance with the directive WA-15/2 using standard profiles and standard 2 mm steel bracing elements. The tested Uf value of 0.89 W/m²K confirms the outstanding basic thermal insulation properties. Using GEALAN-FUTURA®, maximum sash dimensions of up to 2.40m are possible when using the STV® adhesion technology.



GEALAN-FUTURA®



- + Using STV® and standard reinforcements up to a sash size of 2.4 metres
- + Scratch and weather-resistant thanks to acrylcolor
- + With burglary protection, RC 2
- + For new constructions and renovations
- + Tested in accordance with the new standard RAL-GZ 716
- + Integrated in system platform S 9000, S 9000 available as rebate and centre seal system



IKD® Intensiv-Kern-Dämmung [Intensive-Core-Insulation]

Use IKD® and you will be using the most modern process for improving the heat insulation of windows.

Front door variants

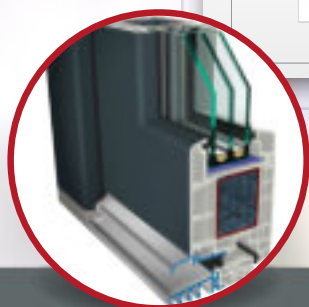
Welcoming elegance and classicism

Front doors are the business card of the house and provide the entrance area with charm and aesthetics. With its new S 9000 front door system, GEALAN offers the right product to cater for all tastes. You can decide between the classic and the wing overlapping variant. And thanks to the flexible colour design of the numerous decorative foils, you may adapt your front door to the overall visual appearance of your façade.



Classicism

When selecting the classic front door variant, you already provide your house with a very personal note. Since there is no limit to the play of shapes and colours. Design your front door according to your own ideas.



Design

The plane view of the door wing when selecting the design variant offers maximum aesthetics without having to make any compromises regarding safety and thermal insulation. This way, you are not only provided with additional design freedoms, but furthermore facilitate the maintenance of your door due to the missing offsets.



Lift-slide-doors

Living rooms with special light



Sliding elements constitute a classic stylistic element of state-of-the-art living where generously designed glass surfaces convey complacency and elegance. GEALAN's new S 9000 lift-slide-door meets these requirements from a visual and functional point of view.

Using our technology, large door elements can be moved easily. It does not matter whether the door is open or closed. In any case, the room is provided with large amounts of light. And the virtually sill-less floor connection additionally suppresses the separation between interior and exterior.

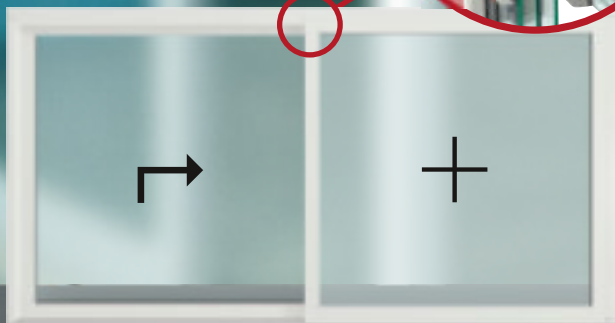


Technical highlights:

- + U_f up to $0.95 \text{ W/m}^2\text{K}$
- + innovative system technology
- + triple glazing up to 52 mm (STV[®] 54 mm)
- + IKD[®]-integrated

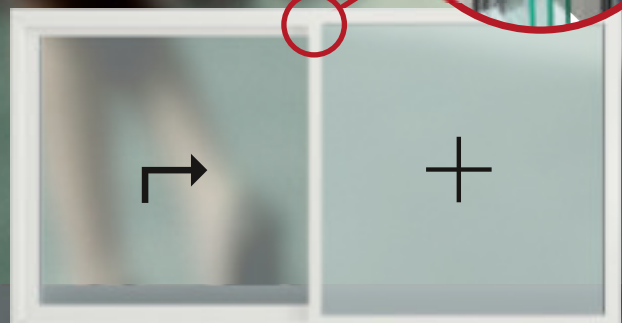
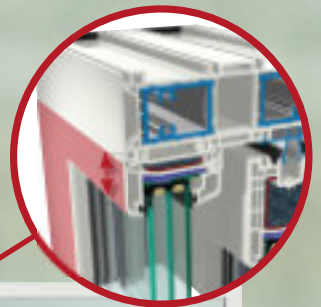
Classic

With 100mm, the elevation width of the wing already is very narrow in standard design.



Design-oriented

For this special variant, the normally usual wing in the stationary field is replaced by a narrower glazing profile. This step reduces the profile elevation width in the stationary field by more than 50 percent.



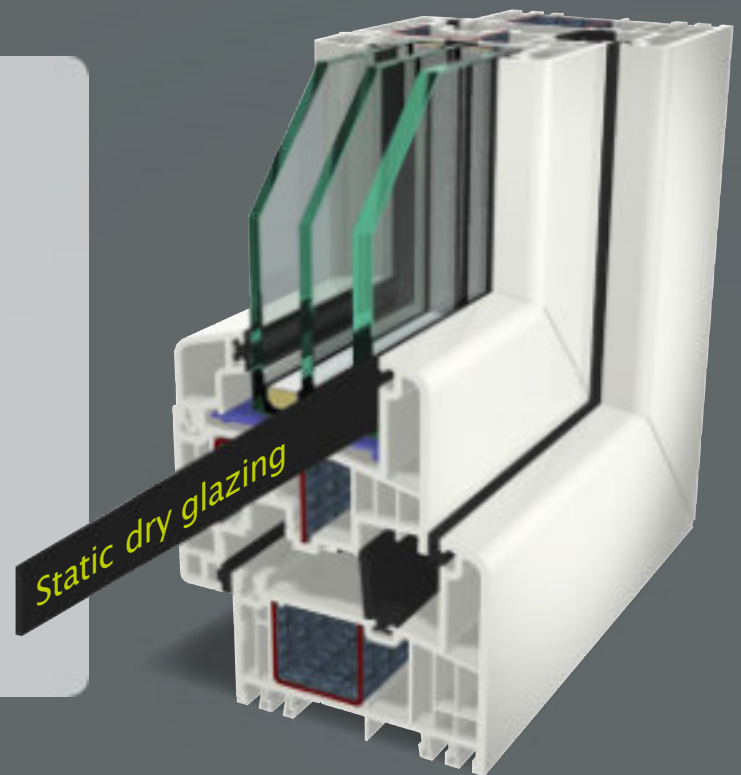
Enhanced statics

Thanks to STV[®] the static dry glazing

STV[®]
Static dry glazing

The STV[®] adhesion technology (static dry glazing) developed by GEALAN comprises the bonding of glass and sash profile while maintaining the usual use of glazing blocks. For this, a high-performance adhesive tape specifically designed for window construction is used. By glueing the glass to the sash profile, the stability of the glass window is transferred into the sash and the entire system becomes more intrinsically stable. This way, elements can be produced in standard sizes without using any steel. In the combination STV[®] with steel in the sash, particularly large window elements can be produced.

- + The combination of STV[®] technology and traditional steel bracing allows for producing unprecedented element sizes.
- + Time-consuming adjustment and re-adjustment work on the window can be minimised.
- + Enhanced thermal insulation by relinquishing the steel bracing element for normal-size elements.
- + Even after having been used for a long time, windows with STV[®] technology close as precisely as a safe and the comfort of operation is increased.



GECCO ventilation systems

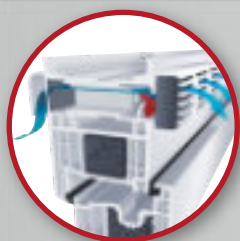
In order to prevent the formation of mildew in rooms, there is the automatic ventilation system GECCO (GEALAN CLIMATE CONTROL). The small flap with huge effects turns normal windows into "air-conditioning windows". At low wind pressures, the ventilation flap is open and closes the air duct in the event of higher wind speeds.



GECCO 3 open



GECCO 3 closed



GECCO 4 open



GECCO 4 closed

Air Watch

Even if the patented GECCO ventilation system provides for controlled basic ventilation, regular airing is indispensable. Therefore, the inside air must be changed entirely from time to time. GEALAN's AirWatch indicates its moisture content in a simple manner.



acrylcolor

Unique surface quality

The colourful acryl coat is twice as durable as the PVC surfaces of white windows. They have high scratch resistance and are largely resistant against the effects of the weather. The semi-matt, smooth and nonporous finish surface is not susceptible to the accumulation of dust and dirt. Peeling and flaking off as well as the annoying repainting are things of the past. acrylcolor windows are practically free of all servicing and extremely easy to maintain.

acrylcolor

Unique, coloured surface



You can find the current acrylcolor program at:
www.gealan.de

Wood decoration

Deceptively real decorative film

For everybody appreciating a natural appearance without compromising on the advantages of state-of-the-art window technology, there are plastic windows in wooden décor look. This is the right choice. Regardless of whether for refurbishing a half-timbered house or a planned new building – GEALAN wooden décor windows convince from a visual and functional point of view. They lend themselves as a classic stylistic element when refurbishing old houses and regarding landscape-related design.

Décor windows are characterised by all positive properties of state-of-the-art plastic windows and simultaneously the decorative effect of wood.



The current décor foil portfolio can be found at:
www.gealan.net

Wide range of colours with aluminium

Windows made of the S 9000 profile system and facing aluminium shell combine the advantages of the materials aluminium and plastic. This way, high functionality and a state-of-the-art, design-oriented aluminium look provide real estates with a touch of exclusiveness – at simultaneously outstanding thermal insulation of the plastic window system. Plastic windows with facing coloured aluminium shell are not only resistant and durable, they simultaneously offer comprehensive options for individual design regarding the colour.



GEALAN eco-agreement

Commitment to recycling management

Already prior to the Recycling Management and Waste Law coming into effect, GEALAN offered its customers "Recycling management" in the form of a "GEALAN eco-agreement": Within the framework of this agreement, profile manufacturers and specialised window companies agree to recycle old plastic windows and the profile residues accumulating during window production. The goal is to supply the materials to closed PVC material recycling subject to prohibited landfilling. Since the high-quality PVC product - the thermoplastic material is made of the natural raw materials natural oil or natural gas and common salt - is way too precious to be disposed of with the waste or in a waste incineration plant. Through its 100 percent recyclability, it absolutely lends itself for recycling. Even the PVC of removed old windows can be granulated and reconditioned. This way, PVC becomes one of the most recyclable materials.



Our environmental management



Tested U value combinations

Rebate seal

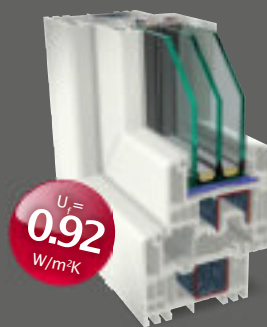
Centre seal



Narrow frame with sash



High frame with coloured sash



Narrow frame with sash and confirmed ift passive house-compatibility



High frame with coloured sash and confirmed ift passive house-compatibility

Your GEALAN partner will be happy to provide you with advice:



s9000.gealan.de