

Modern European uPVC window  
and door profile systems

# Modern solutions and quality

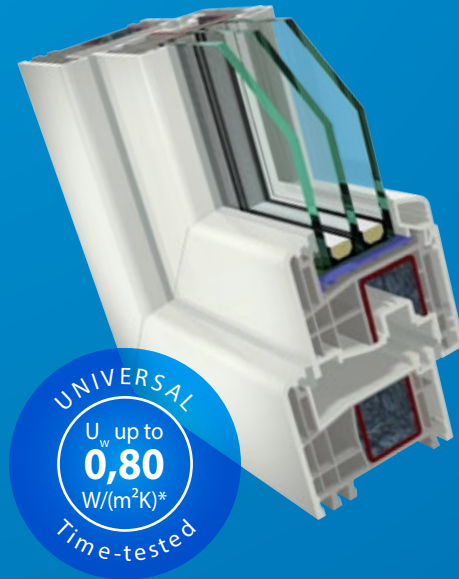
## OUR PRODUCTS FOR YOUR SUCCESS!

Windows and doors made from the latest generation of GEALAN profile systems will give your home more than just an exceptional look. Improved and thought-out geometric profile parameters meet the highest requirements for thermal and acoustic insulation, also burglary prevention and ventilation. It make possible to produce windows and doors constructions that are state-of-the-art in terms of technological development.

*\*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 W/mK*

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

### S 8000



#### UNIVERSAL

System: S 8000  
 Combination: 8001 / 8095  
 $U_i$  value: up to 1,2 W/(m<sup>2</sup>K)  
 Construction depth: 74 mm  
 Chambers: 6  
 Best  $U_w$  value: 0,80 W/(m<sup>2</sup>K)\*

The time-tested, 74 mm installation width, 6 chamber system meets all the essential requirements of modern window technology: good thermal insulation properties and effective protection against noise and burglary. It is a versatile solution with excellent performance characteristics in a standard 74 mm installation width.

### GEALAN-LINEAR®



#### MODERN DESIGN

System: GEALAN-LINEAR®  
 Combination: 7001 / 7072  
 $U_i$  value: up to 1,1 W/(m<sup>2</sup>K)  
 Construction depth: 74 mm  
 Chambers: 6 / 5  
 Best  $U_w$  value: 0,76 W/(m<sup>2</sup>K)\*

The triple sealing system and 74 mm installation width ensure a high level of stability with a modern glazing method, while the multi-chambered profile design provides greater security and better sound and thermal insulation. The system's distinctive design is complemented by its angular shapes, which are in line with modern trends in architecture.

### GEALAN-SMOOVIO®



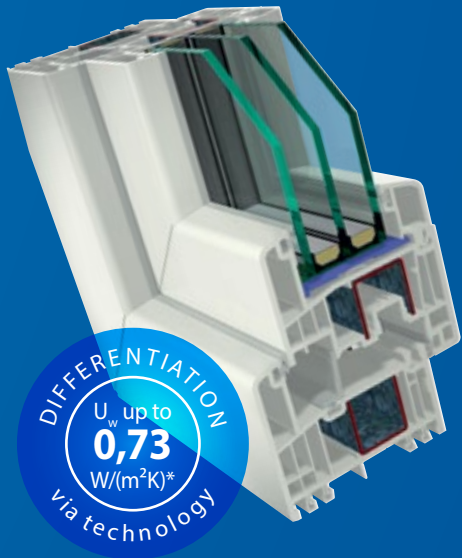
#### EXCEPTIONAL TIGHTNESS

System: GEALAN-SMOOVIO®  
 Combination: 5860 / 5862  
 $U_i$  value: up to 1,5 W/(m<sup>2</sup>K)  
 Construction depth: 150 mm / 74 mm  
 Chambers: 7 / 4  
 Best  $U_w$  value: 0,81 W/(m<sup>2</sup>K)\*

*Standard size = 2,0 m x 2,18 m (width x height)*

GEALAN-SMOOVIO® system combines the space-saving comfort of sliding solutions with extraordinary impermeability. This is possible due to the interaction of new hardware components, innovative profile geometry and optimised seal. The new generation of intermediate and modern hardware system running along the entire perimeter of the sash ensures not only exceptional tightness, but also incredibly easy handling.

## S 9000



DIFFERENTIATION  
via technology  
 $U_w$  up to  
**0,73**  
 $W/(m^2K)^*$

## GEALAN-FUTURA®



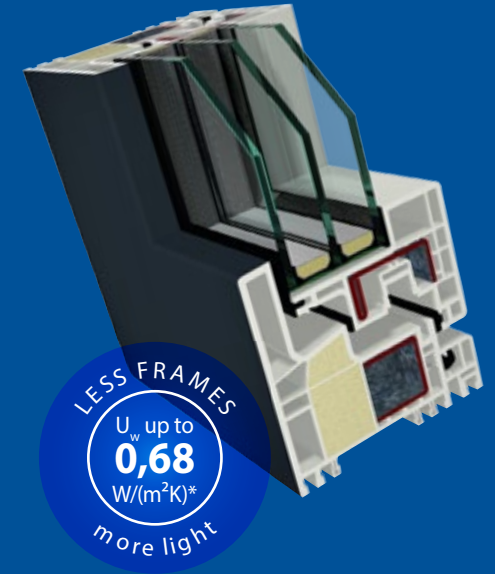
PASSIVE HOUSE COMPATIBLE  
in accordance with ift  
 $U_w$  up to  
**0,71**  
 $W/(m^2K)^*$

## S 9000 HST



MODERN  
System technology  
 $U_w$  up to  
**0,76**  
 $W/(m^2K)^*$

## GEALAN-KUBUS®



LESS FRAMES  
more light  
 $U_w$  up to  
**0,68**  
 $W/(m^2K)^*$

### MORE EFFICIENCY

System: S 9000  
Combination: 6002 / 6003  
 $U_f$  value: up to 0,96  $W/(m^2K)$   
Construction depth: 82,5 mm  
Chambers: 6  
Best  $U_w$  value: 0,73  $W/(m^2K)^*$

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

### BEST PERFORMANCE VALUES

System: S 9000  
Combination: GEALAN-FUTURA®  
 $U_f$  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.

### SOPHISTICATED TECHNOLOGY

System: S 9000  
Combination: HST S 9000  
 $U_f$  value: up to 1,3  $W/(m^2K)$   
Construction depth: 190 mm / 82,5 mm  
Chambers: 5  
Best  $U_w$  value: 0,76  $W/(m^2K)^*$

Standard size = 3,0 m x 2,5 m (width x height)

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 both visually and functionally. In this design variation, the profile's visible width in the fixed field is reduced by more than 50 percent.

### UNIQUE DESIGN

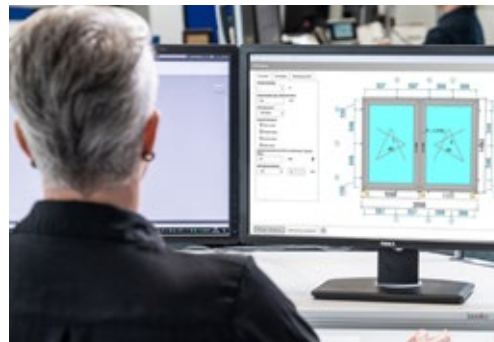
System: GEALAN-KUBUS®  
Combination: 5060 / 5061  
 $U_f$  value: up to 0,88  $W/(m^2K)$   
Construction depth: 100 mm  
Chambers: 6  
Best  $U_w$  value: 0,68  $W/(m^2K)^*$

GEALAN-KUBUS® is a profile system with a unique design and a U-Factor value of 0,12 BTU/h-ft<sup>2</sup>·°F. An excellent efficiency rating that meets the passive house criteria approved by the ift-Rosenheim Institute is achieved thanks to the innovative profile design and the application of IKD® technology in the frame profile. Due to the extremely narrow profiles and the hidden sash, the glass area increases and more light enters the house, creating a feeling of open space.

# Digital solutions and services

## SYSTEM INNOVATION

Advanced solutions can be found in every centimetre of GEALAN uPVC profile. They are used to create top-quality window and door systems that are appreciated by window manufacturers, architects and building owners not only in Europe, but also worldwide. GEALAN is also a leader in the digital sector: in window design, in the provision of digital building data, and in the digitisation of collaboration between architect, manufacturer, retailer, installer and user.



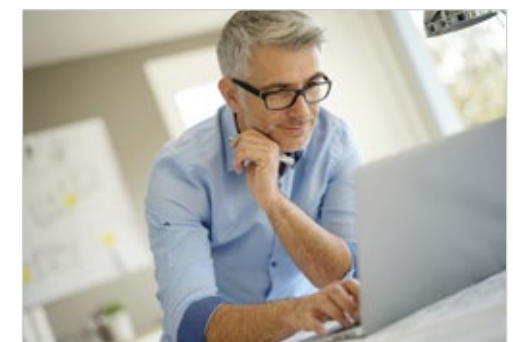
### WINDOWS PLANNING AND BIM MODELS

The GEALAN window planner Planersoftware allows you to design windows and doors made from GEALAN profile systems. The plug-ins can be used to automatically create BIM models of windows and doors for Revit® and ArchiCAD® design programs, as well as in IFC format.



### INNOVATIVE DIGITAL SOLUTIONS

GEALAN also offers solutions such as the digital window passport, augmented reality (AR) or virtual reality (VR) applications for visualising profiles and windows in the interior or façade. Digital solutions are also available for window production, sales, installation or service management.



### SUPPORT FOR ARCHITECTS AND PLANNERS

Our team of professionals advises and guides constructors, architects and planners on all aspects of window and door construction. GEALAN's window design support and tools make your tasks easy.

