

NEW: INNOVATIVE COMBINED SYSTEM S 9000



- + Thermal insulation
- + Compatibility
- + Tightness
- + Innovation
- + Aesthetics

brilliant • mix

SYSTEMATIC INNOVATION



S 9000 Profile System

Innovative combination of two sealing systems

The new GEALAN S 9000 triple sealing profile system brings together the advantages of middle seal and rebate seal systems. A large construction depth of as much as 83 mm, 6 chambers inside sash and frame profiles and 3 levels of gaskets ensure an even better thermal and sound insulation. The windows made of the profiles of such system are in conformity with the requirements of energy-efficient windows.



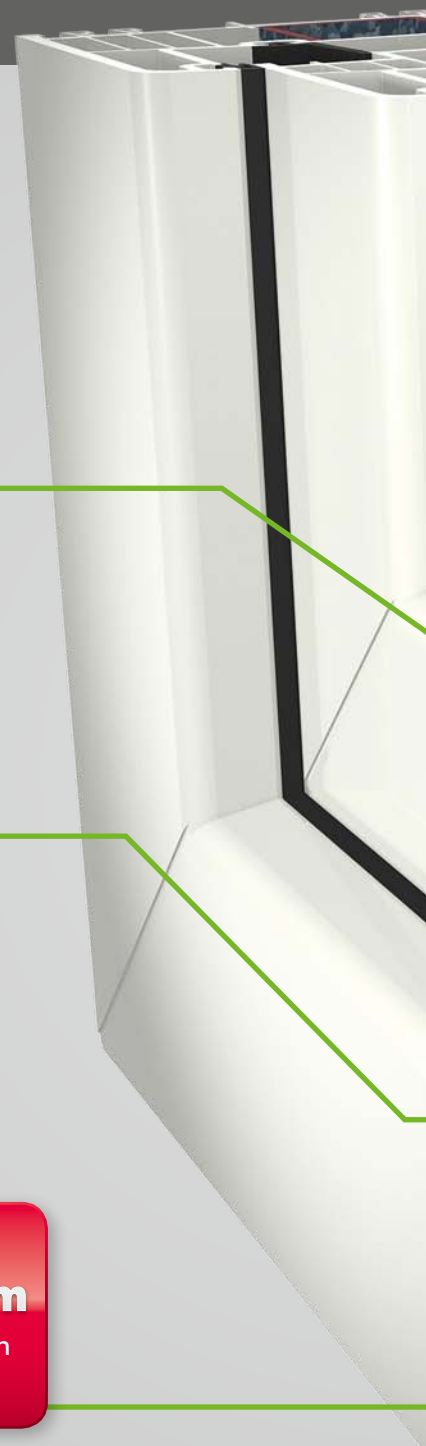
The windows of S 9000 system profiles can be glazed by means of the static dry glazing technology STV®.

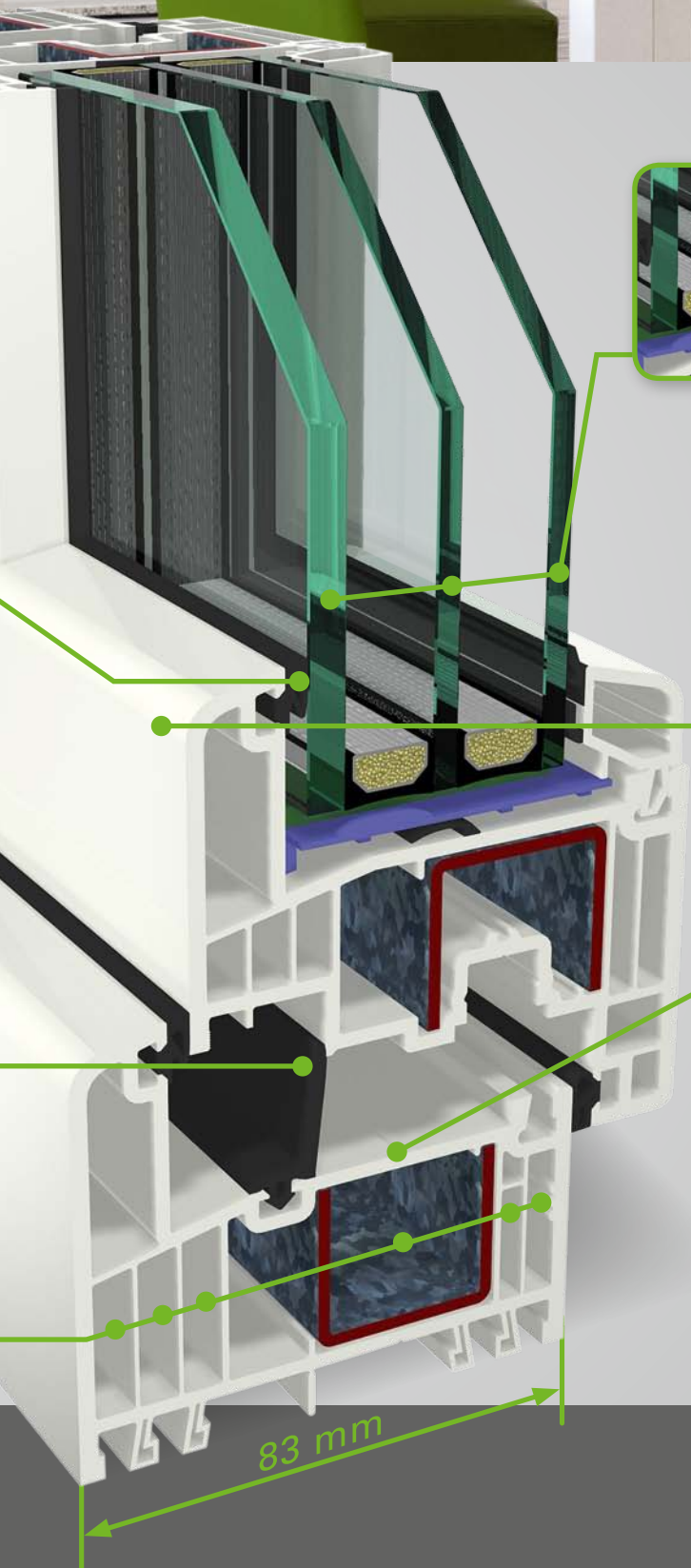


Option of triple seal or only rebate seal method.

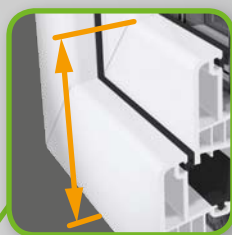
The third middle thermal gasket does not only enhance the characteristics of thermal and sound insulation in a window but also protects the window hardware against outside moisture. S 9000 system profiles for non-opening windows are supplied without the middle thermal gasket.

6 chambers inside the profile, their geometry and layout in both frame and sash profiles, as well as a large construction depth, determine excellent properties of thermal and sound insulation.

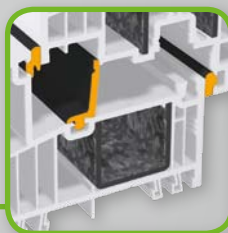




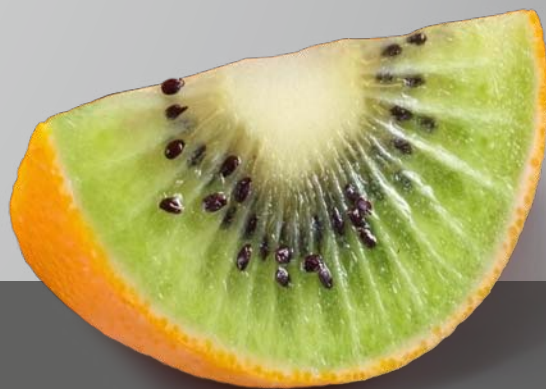
There is an option to use up to 54 mm thick triple glass window panes.



A narrow visible profile part and a classical round-shaped design match the elements of contemporary architecture.



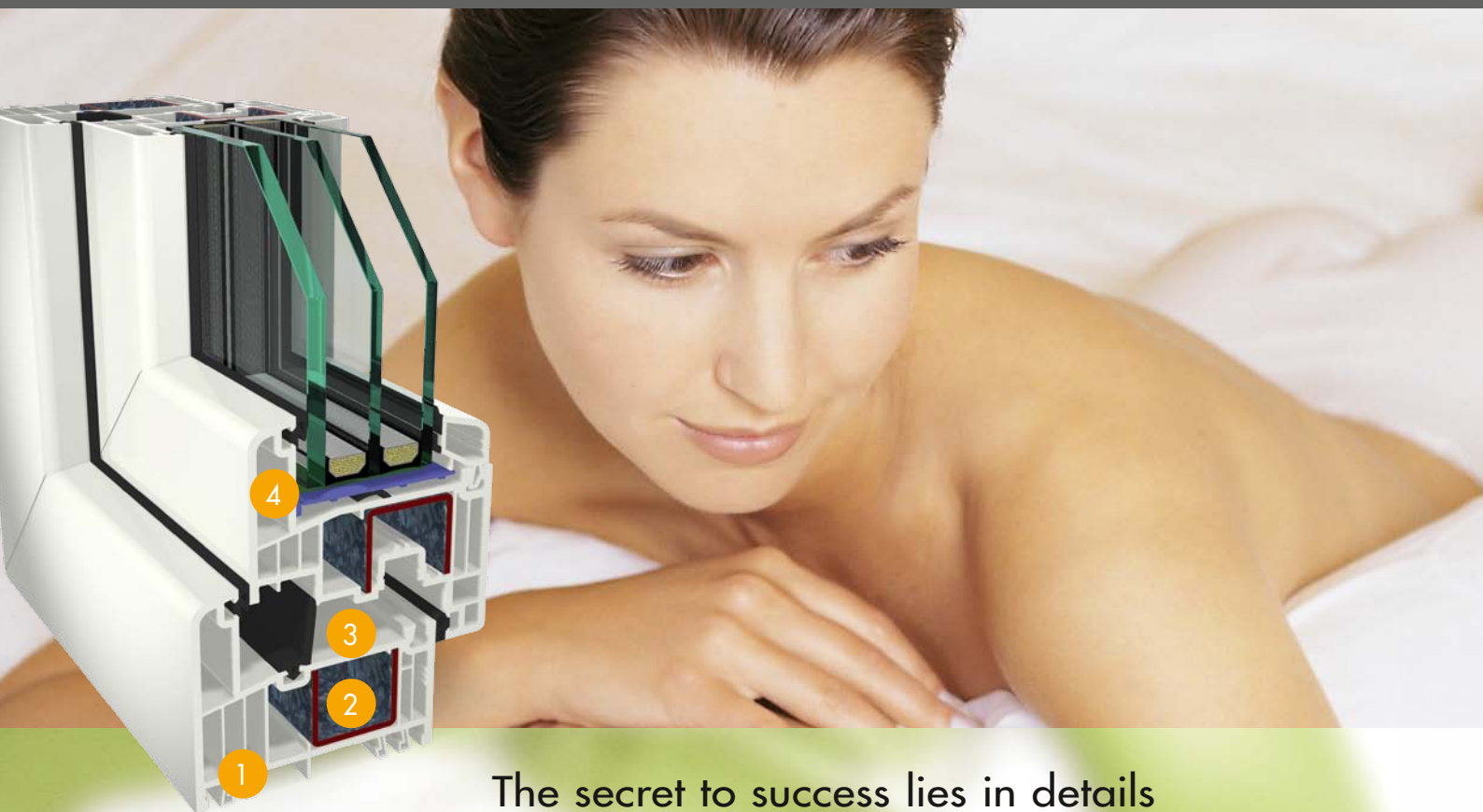
3 thermal gaskets ensure an even greater tightness.



Enhanced thermal insulation

Combination of advantages from several systems

A new system of energy-efficient windows characterised by exceptionally high thermal-insulation parameters was not developed by accident; instead, it is the outcome of long and diligent work. Since the very beginning we have been working on the improvement of the existing profile system. After analysing the advantages and joining several elements from different systems, in S 9000 system profiles we attained the value of heat transmission coefficient equal to $U_f = 0.92 \text{ W/m}^2\text{K}$ by using steel reinforcement in them. Such windows are compatible with energy-saving buildings.



The secret to success lies in details



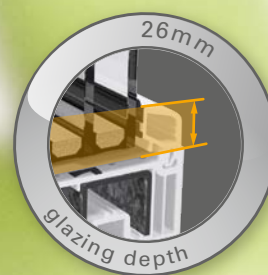
1 6 chambers in frame and sash profiles ensure excellent thermal and sound insulation.



2 Steel reinforcement inside the profile ensures the strength of a window pane. In S 9000 system, identical steel profiles are used to reinforce sash and frame.



3 Three thermal gaskets enhance window tightness, thus significantly improving thermal characteristics of a window.



4 Increased glazing depth protects the coldest parts in a glass pane against direct contact with the environment and enhances thermal characteristics of a window.

Improved statics

Static dry glazing technology STV®



GEALAN STV® is an innovative glazing technology. A window sash is covered with a two-sided tape of relevant measurements and thickness, which is used to attach a glass pane. Secured to a sash by means of STV® technology, a glass pane becomes the fixation element of a window structure. Such a structure can withstand a higher static load, making it possible to use the standard window elements without steel reinforcement. It reduces the structure weight and makes the assemblage easier, while maintaining good static parameters.



- + The combination of STV® technology and steel reinforcement in a sash profile enables the production of window panes of previously impossible sizes.
- + No additional investment or new machinery is needed to install STV® technology; the profiles are manufactured with a pre-applied adhesive tape.
- + The securing of a window pane to a sash essentially improves window protection against break-in. It is much harder to pry out the pane attached along the perimeter using a two-sided special tape.

Without steel reinforcement on the inner side of the profile, a window panel puts a smaller weight on opening mechanisms, thus prolonging their useful life and making their maintenance easier.



For video information on STV® technology, visit :

stv.gealan.de

A wide range of accessories

S 9000 system compatibility

83mm

Construction
depth

Windows are an important element of construction and architecture of a building. Apart from their key functions – allowing the flow of daylight and fresh air into the house without losing heat – windows must also be a prominent exterior and interior element. A wide range of accessories of the new window system meets various structural and architectural expectations.

Solutions to all situations

The construction depth increased to 83 mm determines a high compatibility of the new system. S 9000 profiles are compatible with various accessories from other systems: frame expansion elements, angular and static connections and other connecting profiles.



GECCO 4

An automatic room ventilation system GECCO (GEALAN CLIMA CONTROL) is designed to ensure an optimal interior air circulation and to prevent mould from growing in a window opening. Under normal air conditions, the ventilation flap is open and allows for free passage of air. During wind gusts, the ventilation flap shuts the air channel to prevent air drafts. GECCO is fully automatic.



Air Watch

Though GECCO ensures optimal air circulation, additional room ventilation is also essential. Indoor humidity gauge GEALAN Air Watch will help you to find out when air humidity in the room is too high. It is enough to attach the device to a window sash and you can easily measure air humidity in the room.



For those who value a natural appearance

Those who prefer to maintain the aesthetics of wooden windows in their façade, yet want to take advantage of the latest advances in window technology, have an excellent choice: plastics windows with wood décor surface. Such windows are recommended as

a classical style element when renovating an old house or highlighting rustic design in private construction. With wood décor plastics windows, the building design achieves a special touch.

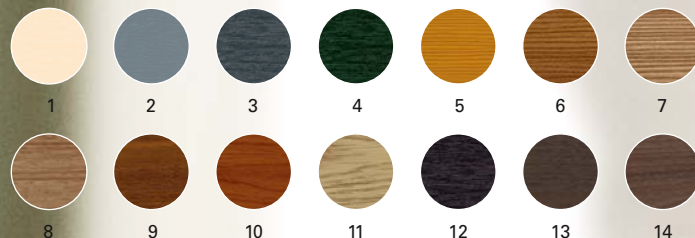


Standard foils



1	Golden Oak	4	Moor oak
2	Oak	5	Hazelnut
3	Mahogany		

Non-standard foils



1	Cream white	6	Douglas fir	11	Light oak
2	Silver grey	7	Mountain pine	12	Chocolate brown
3	Anthracite grey	8	Natural hazelnut	13	Siena PN Noce
4	Fir green	9	Walnut	14	Siena PR Rosso
5	Oregon	10	Cherry		



GEALAN Eco-Agreement

Recycling rather than disposal

Even though plastics window profiles can be disposed of in modern waste incineration plants without increased emissions of dioxins and furans into the atmosphere, the recycling of this material is yet a better alternative.

Whereas uPVC is good for recycling and re-use, and plastics windows are usually made of uPVC exclusively, with recycling, we have excellent conditions to create a closed circulation cycle of this material.

Old out-of-use plastics windows supplied to the company are dismantled and separated into individual materials through several automatic separation stages – plastics, glass, aluminium or steel. Plastics (uPVC) is subsequently broken down, granulated and remade into new window profiles.



Unser Umweltengagement



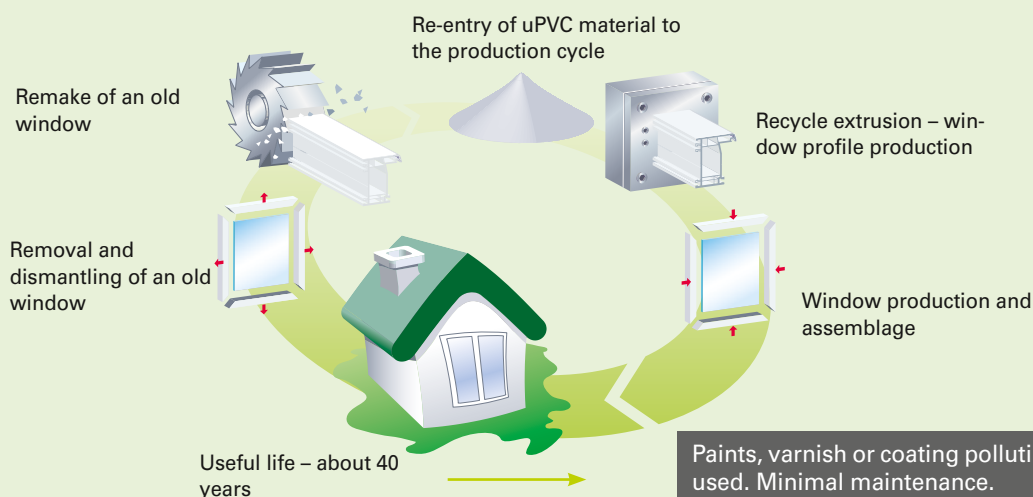
B.A.U.M.



ARBEITSGEMEINSCHAFT
PVC und UMWELT e.V.



Recycling plastics windows



Ihr GEALAN Partner berät Sie gerne: