

ROYAL DOORS



GEALAN

THE INNOVATIVE COMBINED SYSTEM



S9000



Aluminium casing

Windows from the S 9000 profile system with an aluminium casing combine the benefits of aluminium and vinyl. Their high functionality and modern, design-oriented aluminium look lend buildings a touch of exclusivity combined with the outstanding heat insulation of the vinyl window system.

The best statics, the ability to build larger structures without the need for mounting crossbars, glazing using STV technology - these are just some of the advantages of the S 9000 system.

The best static

Narrow frames and wings allow the construction of large glazing. The statics of the structure is also significantly improved by the use of STV glass gluing technology. Thanks to it, it is possible to make larger constructions without the need for mounting crossbars.

STV technology

Innovative and RAL-certified technology for pasting STV glass - no extra charge! The glass is glued directly (dry) to the wing sash. Immediately drying. Technology raises the statics of the structure. Thanks to STV, wings up to 2.5 m high can be glazed.

Acrylcolor coating

The outer layer of acrylic glass provides the best resistance to scratches and the perfectly smooth surface of acrylcolor profiles facilitates window care and requires no maintenance.

Third gasket

An additional, third gasket improves thermal insulation, protects the fitting against moisture and is an effective acoustic barrier.

Thermal and acoustic insulation

Very good thermal and acoustic insulation results from a six-chamber construction and building depth of 82.5 mm in the frame and sash.

* $U_f = 0.91 \text{ W/m}^2\text{K}$ - applies to white profiles, with steel 6706 (steel U)

** for $U_g = 0.5 \text{ W/m}^2\text{K}$ SWISSPACER Ultimate reference window

THE ONLY SYSTEM ON THE MARKET
WITH SUCH PARAMETERS!

0,91

U_f
[W/m²K*]

0,69

U_w
[W/m²K**]

STV

INNOVATIVE TECHNOLOGY OF GLUING WINDOWS

The pane is glued dry to the wing upstand. This is an innovative solution that until recently has been used only in aviation, the automotive industry and renewable energy. In STV technology, window sashes up to 2.5 m high can be glazed.



Avantages du collage des vitrages STV:

- definitely better statics and the ability to create larger windows
- lighter window elements thanks to the possibility of resigning from reinforcements in the white window wing
- increased thermal insulation properties,
- glued technology that has been tested and proven at all stages
- if necessary - extremely easy replacement of the glass
- lighter closing and opening of windows and minimisation of adjustment in windows

ACRYLCOLOR

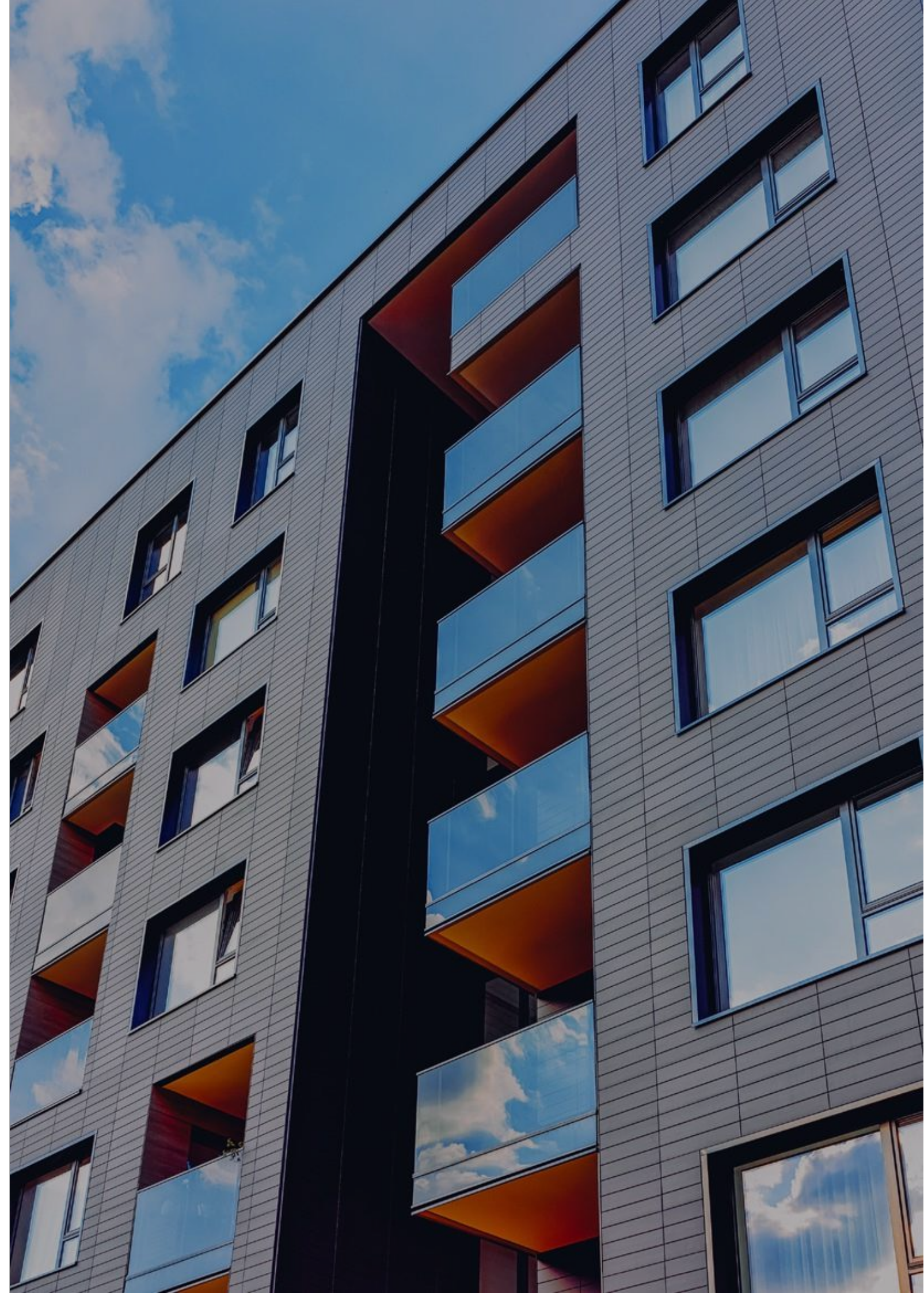
INNOVATIVE TECHNOLOGY OF STAINING PROFILES

Acrylcolor windows are made of special profiles with an external coating of acrylic glass. Already at the stage of window profiles production, liquid PVC and liquid acrylic glass are combined in a durable and inseparable way. Acrylic glass is the most durable material in the world.



Vantaggi di acrylcolor:

- acrylic glass layer makes the window colour much more durable
- large selection of joinery colours including metallic colours
- elimination of the risk of stratification of PVC and acrylic glass
- no maintenance required
- the coating reflects the sun's rays and does not flake off
- the colour of the windows does not change even after several years



S8000



The S8000 profile system meets the market needs. The system is designed with a retaining seal with a profile depth of 74 mm. A characteristic feature of the S8000 is optimized profile geometry in terms of material, which protect natural resources and thus the environment - so important today.

Specification:

- class B profile,
- five or six-chamber profile structure,
- construction depth 74 mm,
- 2 gasket system,
- the possibility of producing windows and doors,
- standard V-Perfect gabletop,
- possibility of using a movable post,
- maximum window height: 2375 mm
- maximum window area (single-sash): 2.45 m²,
- aluminium handle as standard,
- standard glazing 24 mm 4/16/4,
- 5 anti-burglary points per sash as standard

2

gaskets system

5/6

chamber
structure

CREATE YOUR PERFECT INTERIOR

The main thought behind creating the S8000 system? Tight windows, efficiency and maximum comfort of use! We put it all together and closed within the S8000 system.

The S8000 profile system meets the market needs, offering one of the tightest solutions. A characteristic feature of the S8000 system is the process of its creation, which uses the materials for production in such a way that they protect natural resources and thus the environment - so important nowadays.

The same steel reinforcements may be used for the construction of the frame, sash and post. The system includes profiles with a structure of 5 or 6 chambers.



S8000 5-chamber profile:

- excellent statics thanks to large steel reinforcements in the sash
- easy care thanks to the large and smooth surface of the rebate
- version with a straight, non-flush sash and a half-flush sash to choose from



S8000 6-chamber profile:

- excellent thermal insulation thanks to six chambers in the frame and sash
- easy care thanks to the large and smooth surface of the rebate
- a choice of a non-flush version with a straight sash and a half-flush version with a rounded sash



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