

evolutionDrive

SF

Modern system for sliding windows and doors



The smart concept

Sliding elements are very much en vogue in modern architecture. evolutionDrive SF impresses with its variable use as either a sliding window or sliding door construction and thus ensures unbeatable flexibility:

- Sliding elements result in spacious and bright rooms.
- They increase the ambience in the living room and enhance it with generous glass surfaces.
- Even in small homes they offer a space-saving connection to the outside and create valuable additional living space.
- Salamander sliding elements boast optimal tightness whatever the weather.
- The right elements can also reduce the risk of burglary by 80 %.
- And even in urban regions, noise pollution can be reduced by up to 75 % with the right elements.

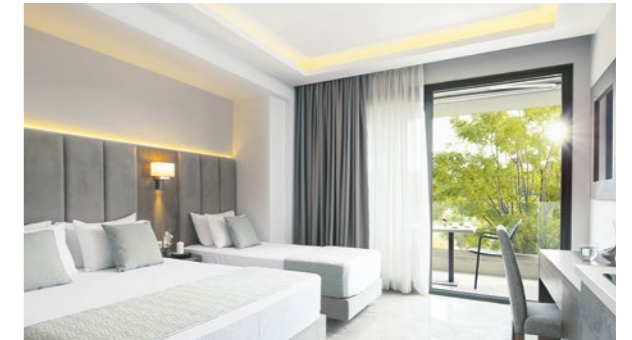
The location, building and residents are all unique. Therefore, there is no such thing as a perfect standard window solution to suit all demands. Assessing the price alone is not enough to make a sound decision. Windows must be configured to the specific requirements to become the perfect "myWindow".



evolutionDrive SF – maximum flexibility for the most diverse requirements

For commercial applications

- Use as a sliding window or sliding door
- Simple operation and function
- Convenient intermittent and full ventilation; the window panes do not slam even when there is a draught
- For hotels, sales rooms, schools and much more



For private applications

- Use as a sliding window or sliding door
- Optimal use of the room, no space is lost
- No risk of injury from window sashes in the room
- Simple opening
- High incidence of light for pleasant living atmospheres
- Interiors look brighter and more spacious
- Furniture can be positioned flexibly as the window sash swivels neither inwards nor outwards



The Salamander C3 principle: The route to the optimum configuration

Thanks to our specially developed processes, you are guaranteed to find the window that meets your specific demands. These three dimensions are central in determining whether your choice suits the building and external influences:

Climate



Climate conditions and local factors

Temperature curve and difference, rainfall, hours of sunshine, snowfall, wind loads, burglary rates, air pollution, noise pollution, metres above sea level.

Case



Building properties

Year in which the building was constructed, building type, living space, storeys, window frame material, glazing, alignment of the building as per GPS coordinates, number of windows per façade, window types, number of cross bars, window dimensions, analysis of light situation: Comparison of actual and desired light situation.

Client



Customer demands

Strategies to optimise light and energy input, historical authenticity, regional style, individual selection of the design and materiality, ecological factors such as insulation and recycling as well as costs.

Climate

With a frame construction depth of 76 mm and a heat transfer coefficient of $U_f = 1,8 \text{ W}/(\text{m}^2\text{K})$ the slimline profile boasts impressive sealing and thermal insulation.

Case

Architectural style / window type

Depending on the requirements, the evolutionDrive SF can be used as either a sliding window or sliding door. What's more, it is compatible with all connection profiles and the glazing technology of the Streamline series.

Structural analysis

Maximum element sizes of the sliding door of up to 3.50 m x 2.48 m are possible.
Maximum element sizes of the sliding window of up to 3.50 m x 1.60 m are possible.

Light

The slender profile view enables large-area glass components and ensures a bright, light-flooded atmosphere.

Client

Burglar protection

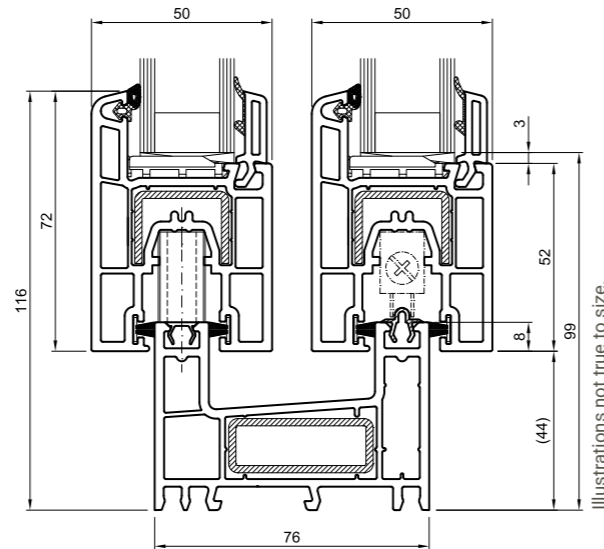
With evolutionDrive SF, burglar protection of up to RC2 can be achieved using standard measures.


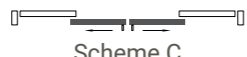



Surfaces

Salamander White, Brüggmann White, base material alternatively brown, more than 40 standard film decors.

The most important values at a glance

- Can be used variably as either a sliding window or sliding door
- Reduced risk of tripping thanks to flat threshold design
- Smooth sliding



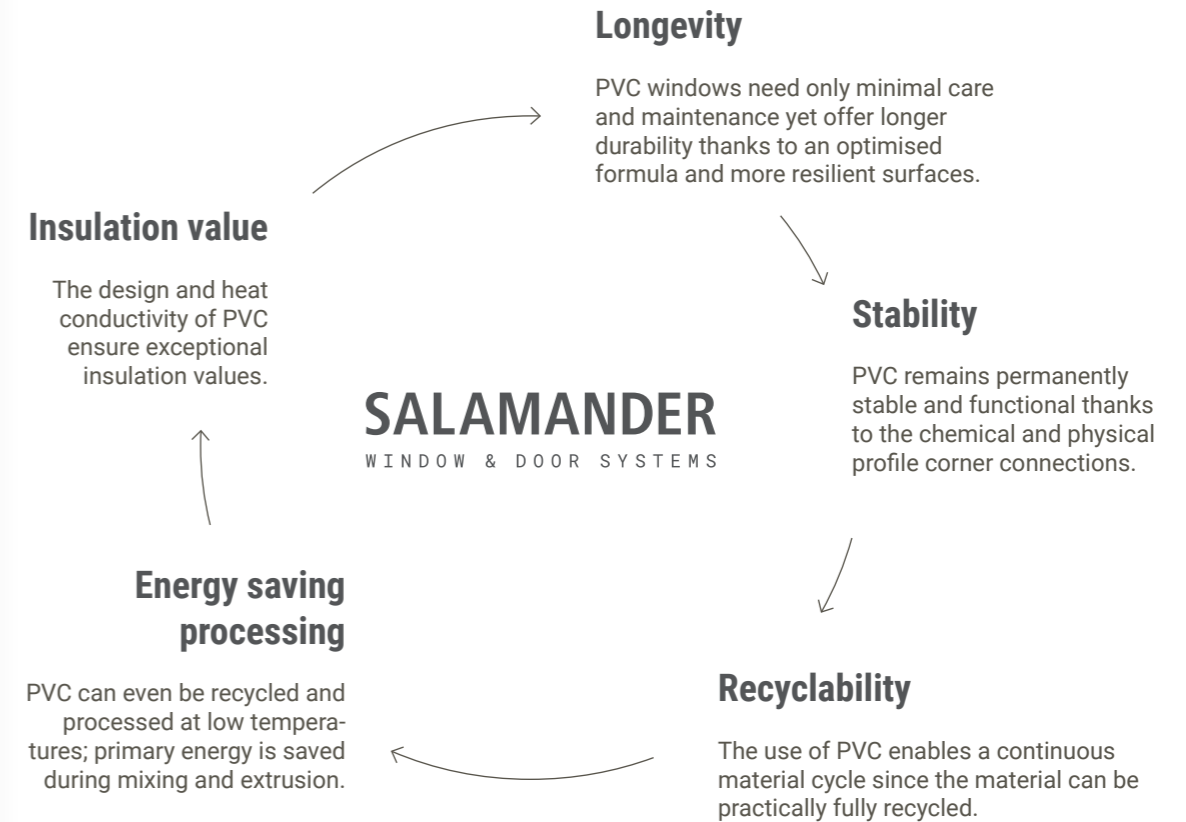
Thermal insulation	U_w up to 1.2 W/(m ² K) U_f up to 1.8 W/(m ² K)* *Reference size: 3.50 x 2.48 m
Construction depth	76 mm
Sash view height	72 mm
Frame view height	62 mm
Maximum sizes (with standard sash)	Sliding door: Width up to max. 3,500 mm Height up to max. 2,480 mm Sliding window: Width up to max. 3,500 mm Height up to max. 1,600 mm
Opening patterns	 Scheme A  Scheme C  Scheme D  Pattern F  Pattern K
Application areas	Sliding window, sliding door

The heat transfer coefficient U:
The lower the U-Value, the less the heat loss in winter and the permeability of heat in summer. U_f (frame) refers to the insulation value of the frame-sash combination while U_w (window) refers to the overall structure including the glazing.

The ideal, more sustainable material – PVC

We specialise in the production of sliding element profiles using the sustainable and long-lasting material PVC and combine this with our innovative surfaces. This enables you to create customised solutions which not only suit the style of the building, but also bring it to life – on the outside and inside.

Today, production at the Salamander Window & Door Systems sites in Türkheim and Włocławek (Poland) is completely powered by green electricity.



SALAMANDER

WINDOW & DOOR SYSTEMS



We have the perfect doors and windows to suit your needs –

thanks to our decades of experience in profile development and PVC extrusion. Long-lasting, customisable and sustainable from the word go: We are continuously developing our systems to offer you the perfect window for the future, today.

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