

greenEvolution

free

Minimalist slenderness,
maximum incidence of light.



Maximum light
and energy input

Ideal for large-format
and historical windows

Customized design thanks
to realMaterial surfaces

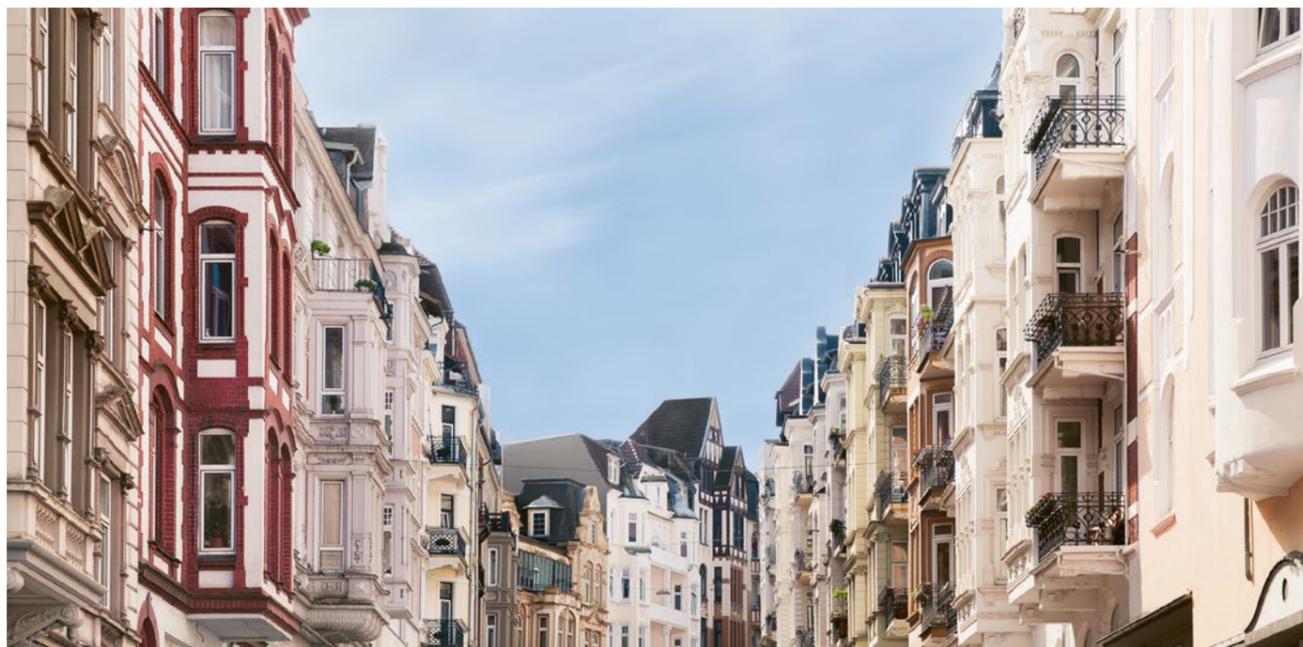


Windows are always individual and a value driver

Windows make up just a small percentage of the construction costs yet have a major impact on the home:

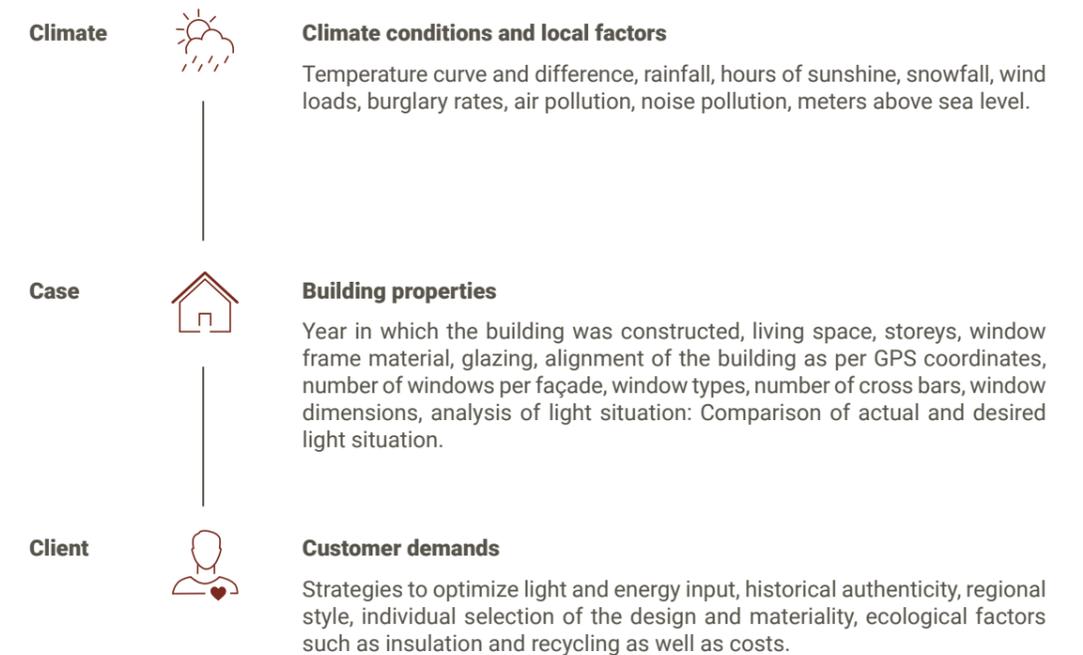
- Windows which match the style of the building give the home a face and increase the value of the property.
- Daylight enhances the ambiance in the home and has a positive effect on physical and mental well-being.
- The energy input of well-insulated windows has the same effect as a heating system.
- Between 25 and 50 % of heating costs and the associated CO₂ pollution can be reduced thanks to modern windows.
- Windows ensure optimized control of the indoor climate.
- The right windows can slash the risk of burglary by 80 %.
- Noise pollution from the outside can be reduced by up to 75 % in urban regions with suitable windows.

The site, building and residents are all unique. Therefore, there is no such thing as a perfect standard window solution to suit all demands. Price as the sole decision-making criterion does not go far enough. Windows must be configured to the specific requirements in order to become "myWindows".



The Salamander C3 principle: The route to optimum window configuration

You can use our specially developed procedure to find the window that meets your standards. These three dimensions essentially determine whether your choice of window matches the building and external influences:



Climate

Having a heat transfer coefficient up to a U_f value of 1.1 W/(m²K), free has one of the best insulation values for window frames and meets all energy requirements.

The higher light input makes the system ideal for locations with few hours of sunshine to improve the lighting situation. For locations with above-average hours of sunshine in winter, free helps to optimize the energy input.

Case

Architectural style/window type

The slim view height of free corresponds to the dimensions of historical windows. The system is thus perfect for all window types from the art nouveau movement through to the early 1950s.

The reduced recessed look can be used in both standard and modern, large-format windows with unobtrusive frames.

Structural analysis

A standard permitted window size of up to 2.35 m covers all the key sizes in housing construction.

Light

The high glass percentage means free is the system with the highest incidence of light. free is the ideal choice when natural light is required.

Orientation

Given its high light input, free also offers the greatest energy input. In south-facing windows, the system can optimize the energy footprint significantly.

Client

Strategies

The style of free can be combined with the versatile flex model. This means that within a building – depending on the compass direction or window type – the optimal window configuration of authenticity, light input, insulation and structural analysis is ensured.

Sound protection

With a glass thickness of up to 48 mm, sound-proofing of up to 47 dB can be achieved.

Burglar resistant

With free burglary protection of up to RC3 can be ensured via standard measures.

Surfaces

Salamander White, more than 40 standard film decors, aluminum cover, Greta™, realMaterial.

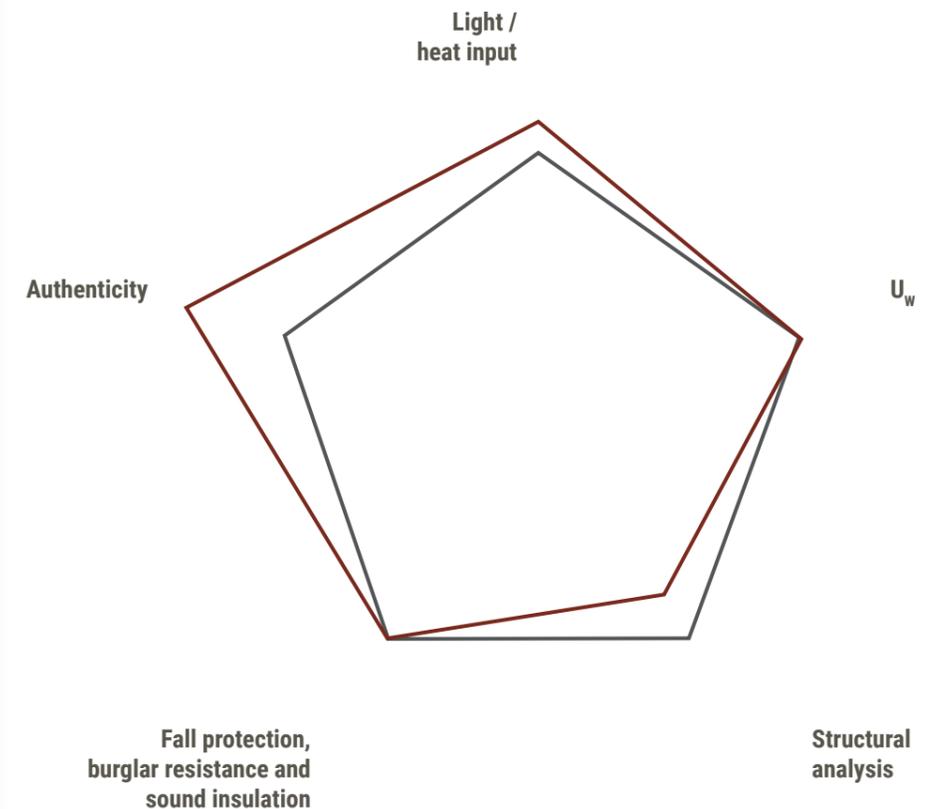
free is an optimized minimalist window system which ensures maximum light input



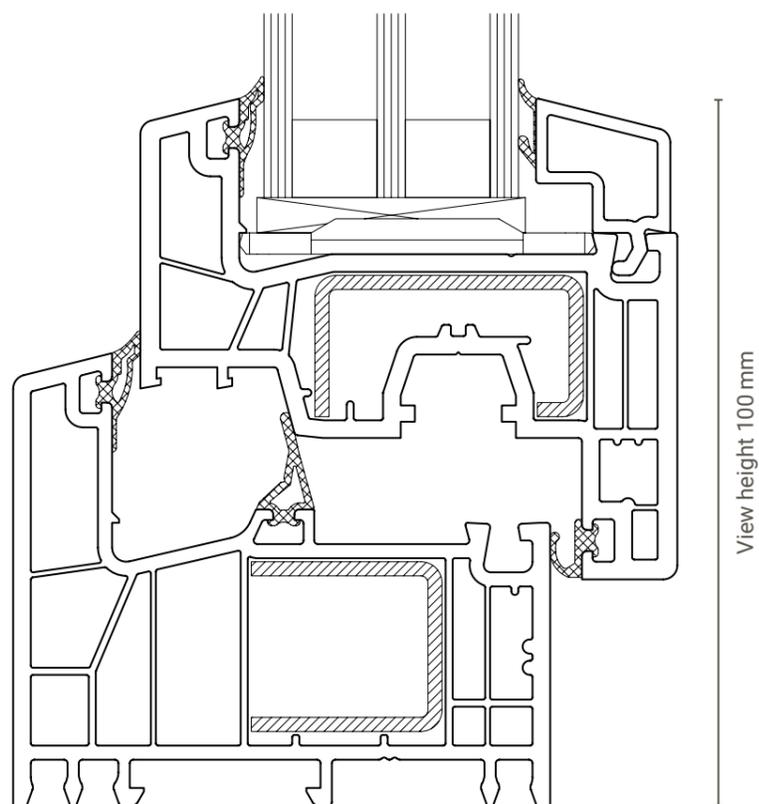
free



flex



The most important values at a glance



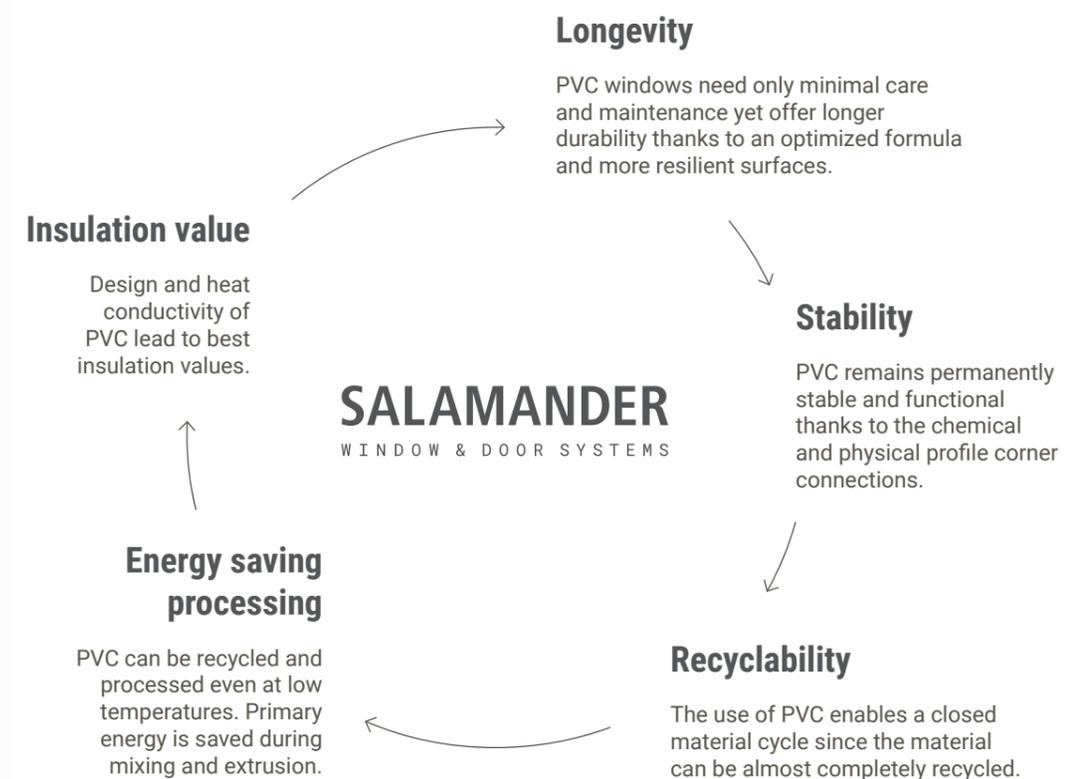
Thermal insulation	AD U_w up to 0.77 W/(m ² K) MD U_w up to 0.74 W/(m ² K)	AD U_f up to 1.2 W/(m ² K) MD U_f up to 1.1 W/(m ² K)
Sound proof	47 dB	
Safety	up to RC3	
Construction depth	76 mm	
Sash view height	36 mm	
Frame view height	64 mm	
Maximum sizes	Standard sash: width up to max. 1,250 mm height up to max. 2,350 mm	
Types of opening	side-hung window, bottom hung window, and tilt and turn window	

Subject to changes, errors, printing and type setting mistakes.

The ideal, most sustainable window material – PVC

We specialize in the production of window profiles using the sustainable and long-lasting material PVC and combine this with our innovative realMaterial surfaces. This enables us to create customized windows which not only suit the style of the building, but also bring it to life – on the outside and inside.

Our production facilities are powered by an ever increasing percentage of green electricity from renewable sources and our own water power plant.



SALAMANDER

WINDOW & DOOR SYSTEMS



We have the perfect window to suit your needs –

thanks to our decades of experience in profile development and PVC extrusion. Long-lasting, customizable 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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