



LET'S BUILD A BETTER PLACE



CONTROL OF LIGHT AND SHADE

Modern construction today demands a balance of functionality, energy efficiency, and attractive design. Project owners expect not only cost savings, but also maximum user comfort. A key factor is therefore the right choice of solar shading solutions, which support the building's thermal stability – reducing overheating in summer and helping to minimise heat loss in winter – while maintaining outward visibility and ensuring optimal visual comfort.

External venetian blinds respond perfectly to these requirements. Their advanced design significantly reduces the need for air conditioning, resulting in tangible savings over the year. The ability to adjust the louvre angle allows precise control of shading levels, giving users full control and the flexibility to tailor light conditions to their individual preferences. At the same time, external venetian blinds give the façade a modern, cohesive and distinctive appearance – ideal for projects that set new standards in architecture and comfort.



TAILOR-MADE SOLUTIONS



Self-supporting external venetian blinds

SZF/S – CUBE/OVAL

Self-supporting external venetian blinds are an optimal solution for buildings with mullion-transom curtain walls, as well as for direct wall installation. The visible headbox integrates seamlessly with the façade as a deliberate architectural feature, while the system's modular design allows for efficient connection of multiple units, enabling large-width shading solutions. Maximum dimensions: 5×4 m



Concealed external venetian blinds

BOX BASIC / BOX EDGE / BOX COMPACT

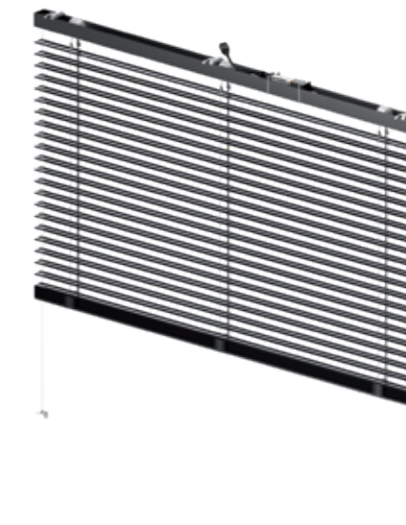
Concealed external venetian blinds are designed for installation during the construction phase or major refurbishment. The BOX-type headbox allows the entire system to be fully hidden within the insulation layer and render, ensuring a clean appearance and seamless integration with the façade. This solution is ideal for projects requiring a minimalist architectural finish. Maximum dimensions: 5×5 m



Retrofit external venetian blinds

SZF/A - COVER PANELS

Retrofit external venetian blinds are designed for existing buildings, requiring no interference with the insulation layer. The system is based on a sheet metal headbox, which remains a visible element of the façade. It is suitable for both reveal installation and face-fixed installation. High system flexibility and various cover panel options allow both technical parameters and aesthetics to be tailored to the specific project. Maximum dimensions: 5×5 m



Internal venetian blinds

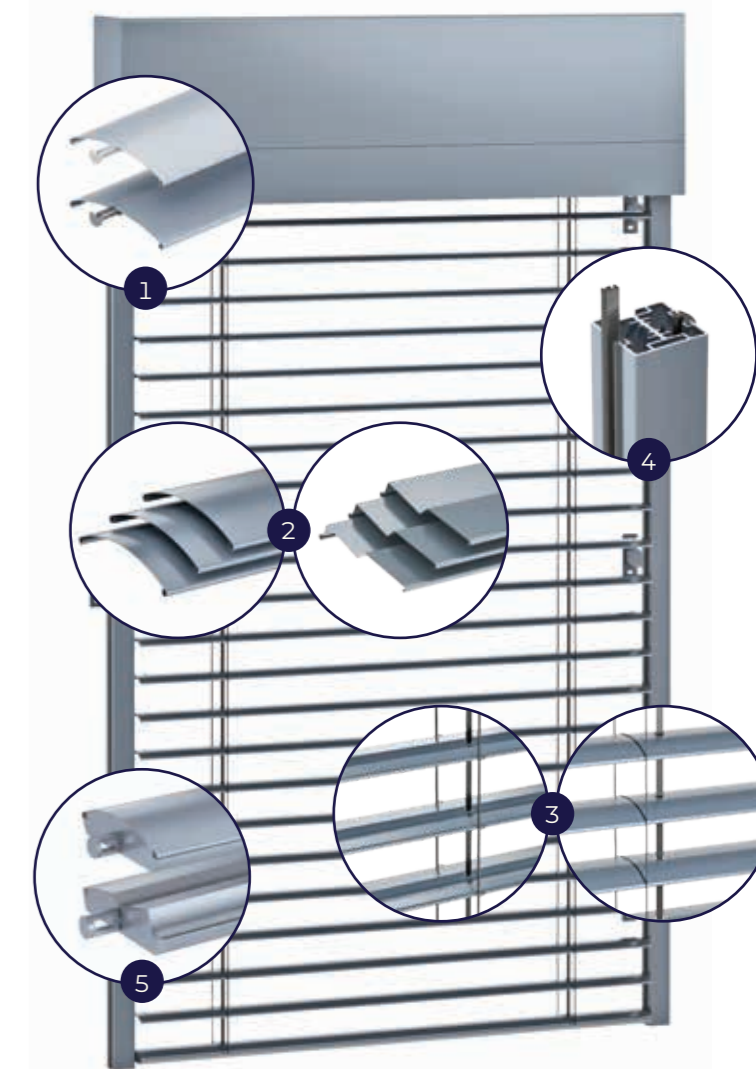
SZF/IN – C50L / C50 SLIM

Products designed for indoor installation, offering a wide range of options: wall, recess, or ceiling installation. The system also allows the headrail (serving as a headbox) to be concealed within a suspended ceiling, ensuring a discreet finish. An ideal solution for precise light control in residential and office spaces. Maximum dimensions: C50L: 3×3 m
Maximum dimensions: C50 SLIM: 4×3,5 m



PRECISION IN EVERY DETAIL

1. Riveted pins made from an aluminium-zinc alloy.
2. The blind louvres are made from aluminium sheet and are available in two profiles: C-shaped and Z-shaped. C-shaped louvres are rolled inwards on both sides, ensuring adequate rigidity and increased resistance to wind loads. They allow rotation within a range of 0-180°. Z-shaped louvres, thanks to their design, provide a higher level of shading. They are additionally fitted with a special noise-reducing seal, with a rotation range of 0°-90°.
3. The textile components are made from polyester and undergo a thermal fixation process, ensuring high resistance to weather conditions, stretching, abrasion, and UV radiation, while also reducing the risk of mould formation. The ladder tape is arranged in a figure-eight configuration, ensuring smooth and stable operation of the louvre stack. Additionally, systems with Z90 louvres are equipped with a mechanism that reduces the stack height when raised. Textile elements are available in grey and black.
4. The guide rails are fitted with integrated damping seals, which reduce noise generated during operation and minimise the impact of louvres against the guide profiles.
5. The bottom rail acts as the closing and stabilising element of the blind system. It ensures correct guidance of the louvre stack and provides a clean, aesthetic finish to the lower edge of the system.





COMFORT WITHOUT COMPROMISE



Optimal access to natural light.



Control via smartphone or tablet.



A comfortable indoor climate.



Automatic opening and closing.



Reduced energy costs for cooling and heating.



Automatic retraction in windy conditions.



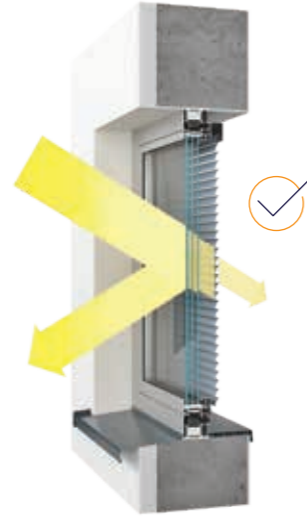
Integration with other systems, such as lighting, air conditioning, alarm systems, awnings, and more.

EFFECTIVE PROTECTION



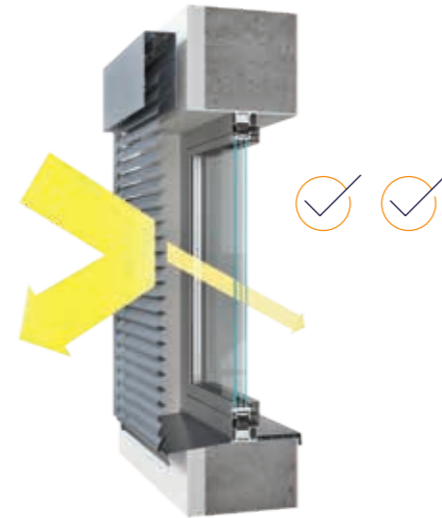
No shading

Without sun shading, 30-80% of solar radiation can enter the room, depending on the type of glazing used.



Internal venetian blinds

With internal venetian blinds, only a small portion of solar energy is reflected by the glass, while the majority is absorbed into the interior.



External venetian blinds

With external venetian blinds, 80-90% of solar radiation is stopped before it reaches the glass. The rays are reflected and diffused, protecting the interior from overheating and reducing glare on screens. This ensures a comfortable indoor climate and provides optimal conditions for living and working.



SMART CONTROL



Technological advances mean that today almost every sun shading system is equipped with an electric drive. This not only enhances user comfort, but also helps reduce building operating costs while maintaining a comfortable indoor climate. With the use of various accessories – such as weather sensors (wind, sun, etc.) or timer-based automation – it is possible to create control scenarios perfectly tailored to individual needs. The blinds can be conveniently controlled remotely, at any time and from any location. Systems can also be expanded with additional components such as motion sensors, light sensors, cameras, or alarm systems, further enhancing functionality and everyday usability.



STRUCTURE COLOUR OPTIONS

The available colour palette is designed to meet the expectations of even the most demanding customers. Finishes are applied using a powder coating process, ensuring high quality and long-term durability. It is also possible to select any colour from the RAL palette, allowing the system to be perfectly matched to window frames or the building façade.

RAL 1013 MATT	RAL 1015 MATT	VSR 240 SATIN	RAL 7001 MATT	RAL 7012 MATT	RAL 7015 MATT
RAL 7016 MATT	RAL 7016 TEXTURE	RAL 7021 MATT	RAL 7021 TEXTURE	RAL 7022 MATT	RAL 7024 MATT
RAL 7035 MATT	RAL 7037 MATT	RAL 7038 MATT	RAL 7039 MATT	RAL 7043 MATT	RAL 7048 MATT
RAL 8003 MATT	VSR 780 MATT	RAL 8014 MATT	RAL 8016 MATT	RAL 9001 MATT	RAL 9005 MATT
RAL 9005 TEXTURE	RAL 9006 MATT	RAL 9007 MATT	DB 703 MATT	FSM 71319 TEXTURE	RAL 9010 MATT
RAL 9016 MATT					

The presented colour range includes shades of powder-coated structural elements available for external venetian blinds. The availability of specific colours – both from the presented range and other RAL shades – depends on the product and is defined in its price list. Variations in shade resulting from different coating processes are permissible and do not constitute grounds for complaint. The information contained in this material is valid as of the date of publication and may be subject to change. Images are for illustrative purposes only.

LOUVRE COLOUR OPTIONS

0005 *RAL 1013 C50SLIM	RAL 1013 C80 / Z90	RAL 1015 C80 / Z90	VSR 240 C80 / Z90	RAL 7012 C80 / Z90
RAL 7016 C50L / C80 / Z90	RAL 7021 C80 / Z90	0199 *RAL 7024 C50SLIM	RAL 7024 C80 / Z90	RAL 7035 C80 / Z90
RAL 7038 C80 / Z90	RAL 7039 C80 / Z90	RAL 7048 C80 / Z90	2901 C50SLIM	VSR 780 C80 / Z90
RAL 8014 C80 / Z90	0204 *RAL 9003 C50SLIM	RAL 9005 C80 / Z90	0038 *RAL 9006 C50SLIM	RAL 9006 C50L / C80 / Z90
0030 C50SLIM	9007 *RAL 9007 C50SLIM	RAL 9007 C50L / C80 / Z90	DB 703 C80 / Z90	RAL 9010 C50L / C80 / Z90
0019 *RAL 9011 C50SLIM	RAL 9016 C80 / Z90			

* Shade approximates the indicated RAL colour.

Louvers in the standard range are finished with a 30% gloss level. The exception is colour VSR 780, available with a 60% gloss finish.

The presented colour range includes shades of powder-coated louvers available for external venetian blinds. The availability of specific colours – both from the presented range and other RAL shades – depends on the product and is defined in its price list. Variations in shade resulting from different coating processes are permissible and do not constitute grounds for complaint. The information contained in this material is valid as of the date of publication and may be subject to change. Images are for illustrative purposes only.





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