

envioblinds®

LOW CARBON TECHNOLOGY

Veranda sun blinds

We believe in natural cooling

Premium quality

Aesthetics

Harol has a choice of sun protection for everyone.

- ▶ Match your veranda sun blinds to your exterior joinery. Available in all RAL colours and a wide range of paints and textured coatings at the standard price.
- ▶ Numerous options for even more comfort: fabric support for even tighter fabrics, high-tech fabrics in a wide range of materials and colours.
- ▶ Optional overhang reduces sunlight on the vertical glass panes.

Servicing

- ▶ The profiles and the box need to be cleaned regularly with tepid water and a neutral soap such as car shampoo, and rinsed thoroughly with tap water (at least 2x a year).
- ▶ Never use corrosive or aggressive products. Do not use scouring pads or other abrasive cleaning agents.
- ▶ With an enclosed box, the fabric is effectively protected against dirt. Furthermore, the awning's fabric is treated with a special dirt-repellent product. If the fabric still needs to be cleaned, then it's best to ensure it's free of dust by vacuuming, blowing, shaking or brushing off the dust.

For watery stains, moisten thoroughly and rub with a clean cloth. Only use detergents such as soap or other chemical products in very exceptional situations.

Sustainable

- ▶ The fabrics used have been treated against rot and mildew, which makes them last much longer.
- ▶ Use of durable aluminium.

Installation

VZ080 has various assembly options:





- ▶ Lateral
- ▶ Top-down
- ▶ Bottom-up
- ▶ Inside sun protection
- ▶ Surface-mounted

With this type of sun protection you have a choice of installation options: from a classic veranda window to a flat roof window.

VZ800 / VZ710 / VZ720

This sun protection can only be installed on a supporting structure, top down. In other words, the fabric is always unrolled from top to bottom.

Available fabrics and their features**

		Type	Weight approx. (g/m²)	Thickness approx. (mm)	Transmission of direct sunlight	Solar factor G.values*
	Orchestra	Acrylic	300	0.50	0%	0.05 - 0.18
	MAX	Acrylic	320	0.70	0%	0.04 - 0.17
	Opera	Acrylic	330	0.65	0%	-
	Symphony	Acrylic	360	0.50	0%	-
	Infinity	Acrylic	290	0.64	0%	0.05 - 0.18
	Elements	Acrylic	290	0.50	0%	0.03 - 0.20
	Lumera	Acrylic	290	0.50	0%	0.03 - 0.21
	Lumera 3D	Acrylic	295	0.50	0%	-
	Soltis 86	Polyester	380	0.43	14%	0.12 - 0.22
	Soltis 92	Polyester	420	0.45	3% - 4%	0.05 - 0.16
	Soltis B92	Polyester	650	0.60	0%	0.01 - 0.05
	Sunvas Perla	Polyester	340	0.45	0%	-
	Sunsilk	Polyester	250	0.37	0%	-
	Sunvas	Polyester	310	0.45	0%	-

*The lower the g-value, the higher the thermal insulation. Glazing C U = 1.2

**See price list for detailed information on the fabrics available for the different types of veranda sun blinds.



VZ710-VZ720

Veranda sun blinds VZ710 and VZ720 have a sleek design and are used for what they do best: to block the sun's rays before they can spread through the glass. In short: the ideal, durable temperature controller!

VZ710

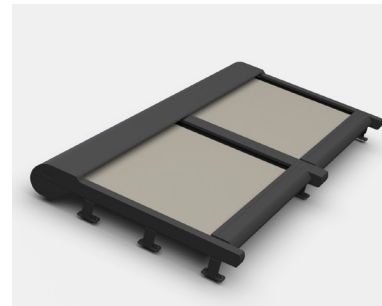
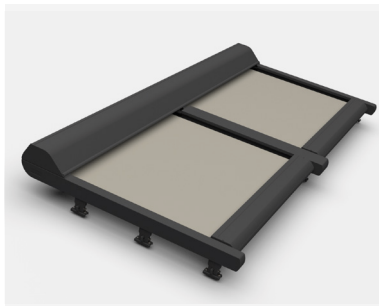
This veranda sun blind suits both traditional as well as modern homes, thanks to the sleek look and feel of the design. The side cap with roll-up shaft and fabric is fitted below (VZ720) or above (VZ710) the guide rail. Because of this, the aluminium boxes can be installed on the veranda in different ways.



VZ720



The box is fully closed, so the fabric remains optimally protected from dirt. Furthermore, the awning's fabric is treated with a special dirt-repellent product.



- ▶ A unique fabric tension system ensures extra-tight fabrics. The fabric is kept under constant tension via a spring, carriage wheels and a very strong nylon cord.
- ▶ The system is virtually silent thanks to the carriage, which was specially designed to ensure the system would run quietly. The wheels can move laterally, which ensures that the extension pole always runs smoothly in the guide rails.
- ▶ There is an air space between the side guides and the awning. This is to ensure adequate ventilation for the area between the awning and the glazing.
- ▶ Suitable for very large glass panes, can span up to 100 m² when coupled.





VZ080-ZIP



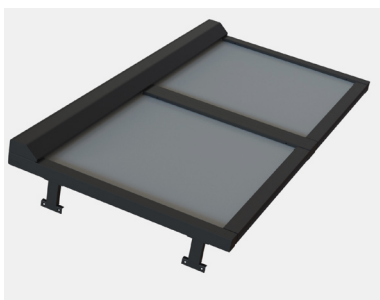
The VZ080-ZIP blinds guarantee you get the most from your veranda, skylight or roof-light. This example of timeless design allows you to enjoy exactly the right level of shade. If required, with this ingenious design you can block out the sun entirely.



Ideal for large glass panes from 10.5 m² (non-coupled) to 35 m² (coupled).



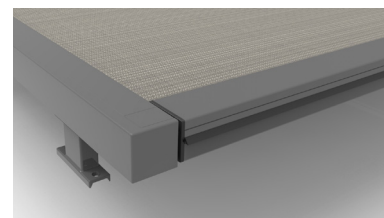
The fabric will continue to shine for years, thanks to the fully closed box. The box is also very compact: 134 x 118 mm.



Ultra-taut fabrics thanks to the innovative ZIP system.



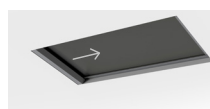
An innovative ZIP system and a fascia that runs right up to the end of the guide rails, ensure that the fabric remains very tight. As a result, there is no light penetration between the guide rail and the fabric, thus providing optimum protection against overheating.



Fitting options



Bottom-up



Inside sun blind



Surface-mounted



Lateral



Top-down

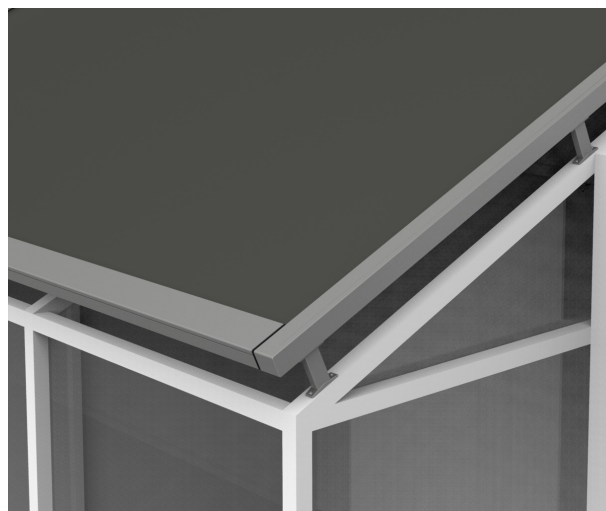


VZ800-ZIP

This veranda sun blind is ideal for large expanses of glass and rates highly on comfort, design, security and energy savings. It is a sleek, slimline and high-performance blind!

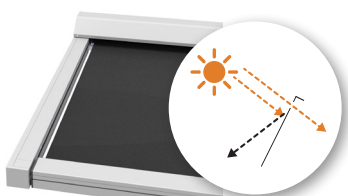


The VZ800-ZIP has a fully closed box to keep your fabric bright for years to come. The box is compact (245 x 175 mm) with optional integrated dimmable LED lighting.

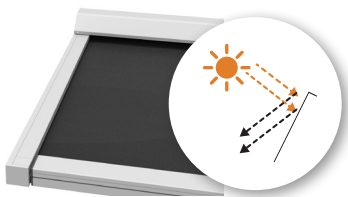


The fabric remains tight, thanks to the innovative zip system and a fascia that reaches to the ends of the guide rails. Ideal for large glass surfaces up to 25 m² (non-coupled) and up to 96 m² (coupled).

There is barely a gap between guide rail and fabric. Hardly any light can penetrate between the guide rail and the fabric, which ensures optimal protection against overheating.

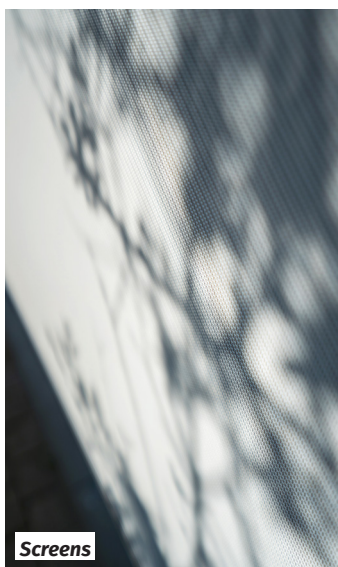


opening

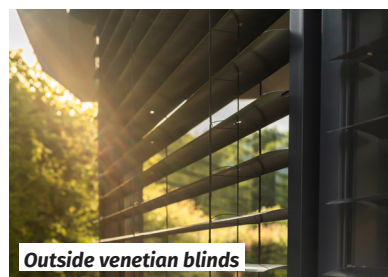


no opening

Discover our other sun protection options




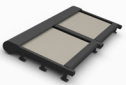
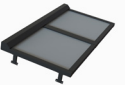
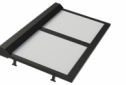
Screens



Outside venetian blinds



Roller shutters

VZ710	VZ720	VZ080-ZIP	VZ800-ZIP
			

STRUCTURE / DESIGN

Max. width single (1 section)	4.5 m	5.5 m	3 m	6 m
Max. width coupled (4 sections)	18 m	22 m	10 m	16 m
Max. drop	6 m	6 m	3.5 m	6 m
Max. area single (1 section)	18 m ²	25 m ²	10.5 m ²	25 m ²
Max. area coupled (4 sections)	72 m ²	100 m ²	35 m ²	96 m ²
Box size	145 x 215 mm	155 x 225 mm	134 x 118 mm	175 x 245 mm
Guide rails	Tight shape	Tight shape	Tight shape	Tight shape

INSTALLATION

Assembly options	Assembly top-down	Assembly top-down	Lateral, top-down, bottom-up, inside sun protection, surface-mounted	Assembly top-down
Fabric tension	Fabric tensioning system	Fabric tensioning system	Fabric tensioning and ZIP system	Fabric tensioning and ZIP system

WIND RESISTANCE

Beaufort	5*	5*	6**	6**
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BOX TYPE

Box	Fully closed	Fully closed	Fully closed	Fully closed
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CONTROLS

IO motor	Standard	Standard	Standard	Standard
RTS motor	Optional	Optional	Optional	Optional
Wired	Optional	Optional	Optional	Optional

PERSONALIZATION & COMFORT

Fabric roll support	> 5 m drop - standard < 5 m drop - optional	> 5 m drop - standard < 5 m drop - optional	/	Optional
LED lighting	/	/	/	Option: integrated, dimmable LED lighting in box and/or fabric support
Overhang max. 500 mm (less sunlight on vertical glass panes)	Optional	Optional	Optional	Optional

* Maximum **wind class 2** for an open **veranda sun blind** in accordance with **European standard 13561**

** Maximum **wind class 3** for an open **veranda sun blind** in accordance with **European standard 13561**