



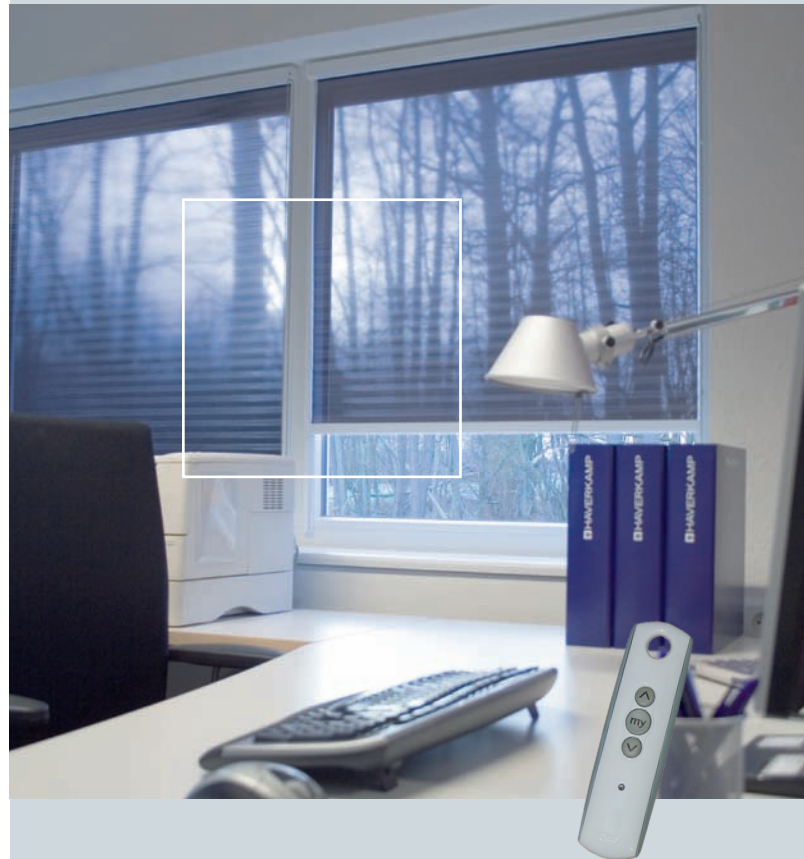
## OV Smart roller blind system

**OPALVARIO® roller blind systems – for effective and attractive protection against sun and glare. Specially developed to provide light regulation at computer screen workplaces, the systems allow a clear view to the outside, combined with glare reduction in accordance with EU guidelines.**

This effect is achieved by the special films used. While providing excellent technical sun protection results, they nevertheless preserve visual contact to the outside world – a very important aspect from the point of view of ergonomics. Additionally, the highly reflective outside surface of the film offers effective heat protection. The OPALMICROSORBER® function with which the blinds can be optionally equipped also has a positive effect on room acoustics. In this case, a special micropore perforation in the film reduces reflected noise and echo in the room. The result is a workplace that is glare-free and offers a pleasant atmosphere in all other respects, thus positively impacting health, well-being, and consequently also the performance of the employees.

The use of selected materials guarantees extreme reliability, long life and high user convenience for these tailor-made systems. Being functional and maintenance free at the same time the well-engineered OPALVARIO® roller blind fulfill even the most demanding requirements in terms of versatility and variability.

Thanks to continuous innovation in the fields of development, production and finishing of both the systems and films and through certification to DIN EN ISO 9001, our products set the benchmark.

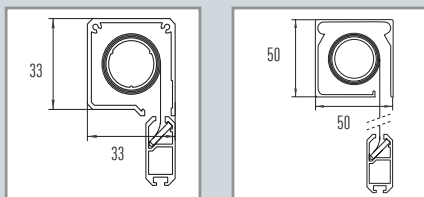


This discreet and compact roller blind system has been specifically developed to provide shade in office and commercial buildings. The very small section dimensions and clear lines meet all the requirements of modern architecture. The System is equipped with a standard 33 x 33 mm cassette. Different side guide options are available. The side guides also move an important support function within the system, and are installed either on or between the sides of the window frame. The blinds are operated through a chain to allow infinitely variable positioning of the screen. The chain is either made of plastic or metal. Alternatively we offer a variety of different SOMFY control units.

The screen material can be selected from the wide range of standard OPALFILM® shade films. The films can be ordered with various light transmission rates, tinting options and surface finish in order to meet individual technical requirements and design preferences.

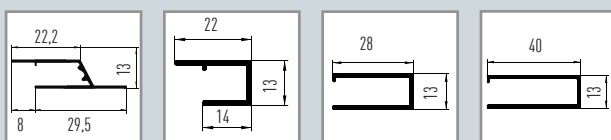
## OV Smart roller blind system manuel operation

### System design



One-piece aluminium cassette closed on all four sides, of 33 x 33 mm cross-section, with plastic end caps secured by screws. Tube and end profile of extruded aluminium; screen end profile with chamber for brush seal and lateral plastic slides for quiet, lowfriction running in the side guides. Colour finish can be selected from the system standards white (RAL 9016, plastic parts white) and silver (RAL 9006, plastic parts grey), as well as optionally from all RAL colours (plastic parts predominantly black). For bigger blind heights (depending on film type) a cassette with dimensions of 50 x 50 mm is also available. Plastic end caps will be pushed on the aluminium cassette and fixed by screws.

### Side guides



Four different types of side guides are available: The 29/22 for sloping glass strips, the 14/22 section screen guide with no screen overlapping, and the 28 and 40 sections which afford the usual overlapping screen guides. All sections are made of extruded aluminium with plastic end caps. For an exact measurement we offer you our support. In case of the side guide 29/22 please request our measurement-tool.

### Operation

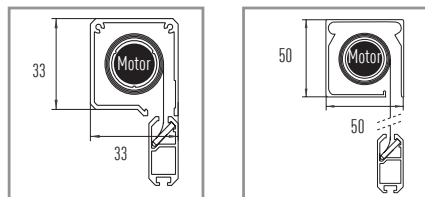
The blinds are operated by a side pulley with locking mechanism to allow exact continuous adjustment of the screen in any desired position. Operation is by endless ball chain, which can be either of plastic or metal (for cassette 50 x 50 mm, only as a metal ball chain).

### Installation

The cassette is installed by simply installing it on the side guides which are secured by adhesive or screws on the window frame or between the sides of the frame. In the case of installation between the sides of the frame, an optional brush seal can be fitted to the screen end strip to shut out the light.

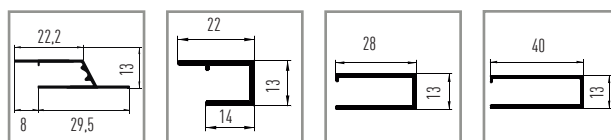
## OV Smart roller blind system electronical operation

### System design



One-piece aluminium cassette closed on all four sides, of 33 x 33 mm cross-section, with plastic end caps secured by screws. Tube and end profile of extruded aluminium; screen end profile with chamber for brush seal and lateral plastic slides for quiet, lowfriction running in the side guides. Colour finish can be selected from the system standards white (RAL 9016, plastic parts white) and silver (RAL 9006, plastic parts grey), as well as optionally from all RAL colours (plastic parts predominantly black). For bigger blind heights (depending on film type) a cassette with dimensions of 50 x 50 mm is also available. Plastic end caps will be pushed on the aluminium cassette and fixed by screws.

### Side guides



Four different types of side guides are available: The 29/22 for sloping glass strips, the 14/22 section screen guide with no screen overlapping, and the 28 and 40 sections which afford the usual overlapping screen guides. All sections are made of extruded aluminium with plastic end caps. For an exact measurement we offer you our support. In case of the side guide 29/22 please request our measurement-tool.

### Operation

A 24 V tubular motor can be installed to station the screen in every desired position. Operation can be done by a variety of Somfy control options. The blinds can be driven by single, small group or central control. Additionally a push-button or remote control can be chosen.

### Installation

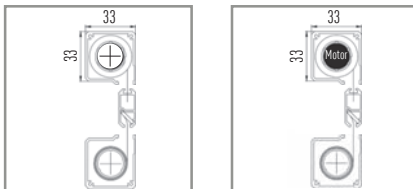
The cassette is installed by simply installing it on the side guides which are secured by adhesive or screws on the window frame or between the sides of the frame. In the case of installation between the sides of the frame, an optional brush seal can be fitted to the screen end strip to shut out the light.



## OV Smart counter pull blind

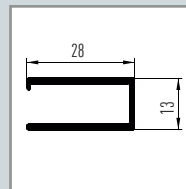
The OV Smart counter pull blind ensures an ideal utilisation of natural sunlight due to its special movement. Depending on the position of the sun the screen can be adjusted to any desired position.

### System design



One-piece aluminium cassette, closed on all four sides of 33x33 mm cross-section, with plastic end caps secured by screws. Tube and end profile of extruded aluminium; end profile with chamber for brush seal and lateral plastic slides for quiet, low-friction running in the side guides. Colour finish can be selected from the system standards white (RAL 9016, plastic parts white) and silver (RAL 9006, plastic parts grey), as well as optionally from all colours according to RAL standard (plastic parts predominantly in black).

### Side guides



The 28x13 mm one piece side guide made of extruded aluminium overlapping the edges in a classical manner.

### Operation

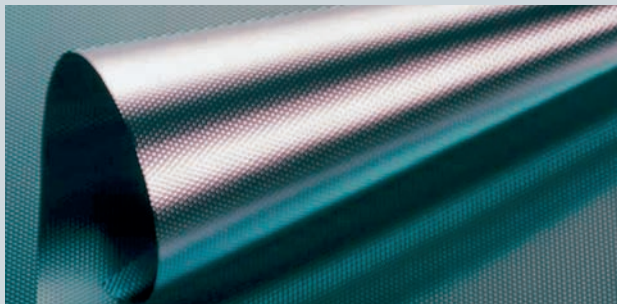
The blinds are operated by a side pulley with locking mechanism to allow exact, continuous adjustment of the screen in any desired position. Operation is by endless ball chain, which can be either of metal with chain connector, plastic with welded chain links or with a 24V tubular motor. Operation can be made by a variety of SOMFY controller components. The blinds can be driven by single, small group or central control. Additionally a push-button or remote control can be chosen.

### Installation

The cassette is installed by simply installing it on the side guide sections which are secured by adhesive or screws on the window frame or between the sides of the frame.



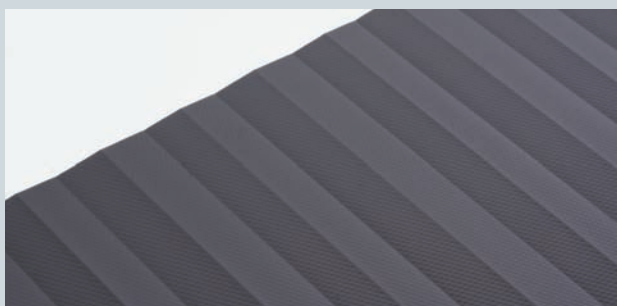
## Embossings



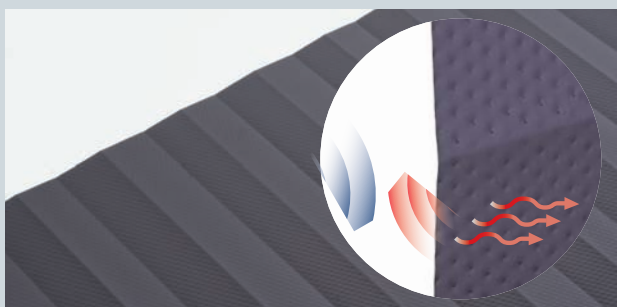
**Diamant** embossing



**Plain Stabila** embossing



**Diamant Stabila** embossing

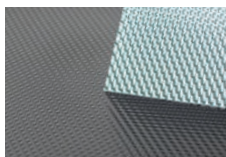


**OPALMICROSORBER®**

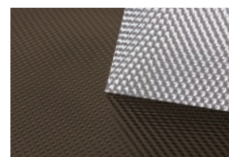
## Film variants

- outer side either metallised or tinted
- extensive range of colours
- view from inside to outside is preserved
- blackout screens available on request
- sound absorption optionally available **OPALMICROSORBER®**

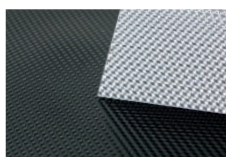
## Film colours



silver/grey



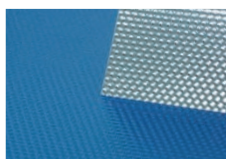
silver/bronze



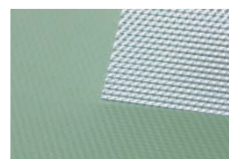
silver/black



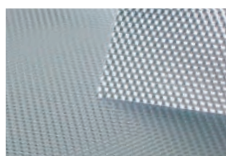
grey/grey



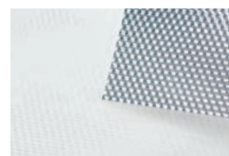
silver/blue



silver/green



silver/silver



silver/white