

**ALUPROF**  
ALUMINIUM SYSTEMS



LET'S BUILD A BETTER FUTURE

 **SkyRoll**  
SCREEN SYSTEMS

# Screen fabrics collection

Aluprof's range includes a collection of specialised screen fabrics from renowned European manufacturers, i. e. Copaco and Serge Ferrari, which can be priced and ordered directly using the R\_A calculation program.



## PROPERTIES OF SCREEN FABRICS



Weather resistance



Resistance to deformation and tearing



Easy to clean



Constant and comfortable room temperature



Access to visible light and view to the outside



UV resistance



## ADVANCED TECHNOLOGY

Materials from which the technical fabrics are made are very resistant to everyday use, deformation, tearing, as well as weather conditions (rain, UV radiation, wind, etc.). The multitude of colours and variety of fabrics make the screens an interesting architectural addition, which allows the object to fit in with the surrounding reality. Importantly, the correct choice of dyes used in the fabrics guarantees colour fastness for many years of use.

Discover the SkyRoll FABRICS COLLECTION

Copaco



SergeFerrari



## AVAILABLE COLOURS



DB 703 metallic grey



RAL 7016 anthracite grey



RAL 7024 graphite grey



RAL 7039 quartz grey



RAL 8014 brown



RAL 8019 dark brown



RAL 9001 cream white



RAL 9005 black



RAL 9006 silver



RAL 9007 grey aluminum



RAL 9016 ultra white



See more information on available colours:



# SkyRoll ZIP

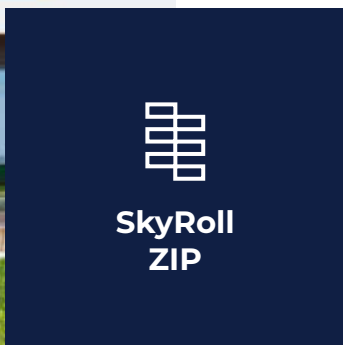
The **SkyRoll ZIP** system is the latest generation product designed for shading rooms with large glazed surfaces. It is extremely innovative due to the use of technology borrowed from the zipper mechanism on the edges of the fabric. Specially designed two-part guide channels are thus directly integrated into the fabric, which guarantees maximum sealing and protection against insects. In addition, the solution used here ensures that the fabric is properly tensioned and firmly seated in the guide channel, which protects it especially against gusty winds. The product is available in front-mounted, under-plaster or top-mounted variants. Depending on the version of the selected product, the offer includes construction elements made of aluminium sheet, PVC or extruded aluminium. The use of the latter material ensures durability and strength for years of use, and also allows for painting in any RAL colour and matching the sunshade to the window joinery or building facade. Unlike other products of this type available on the market, the **SkyRoll Zip** is equipped with a telescopic cap, which ensures simple and quick assembly, disassembly of the system and collision-free service access. Manual control is not possible. The maximum dimension is 5000 × 5000 mm (max. 16 m<sup>2</sup>).

Thoughtful design makes the fabric not only roll up on the round reel but also on the adapter when closing, which ensures better winding.



Available four system variants – top-mounted (SKB STYROTERM and SKT OPOTERM), under plaster and front-mounted.

The system is available with a visible or hidden in the box bottom rail.



Specially designed chamber underneath the seal in the bottom rail guarantees protection against insects.

Guide channels available in screwed and snap-on versions.

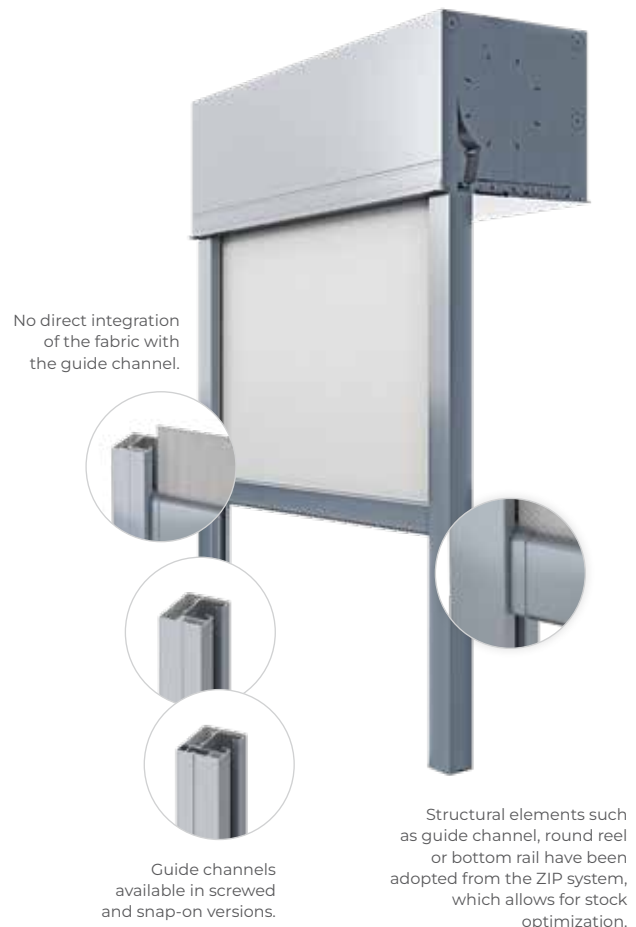
The use of a zipper mechanism makes it possible to integrate the fabric directly into the guide channel, which ensures wind resistance and guarantees maximum tightness.

# SkyRoll CLASSIC



Available four system variants – top-mounted (SKB STYROTERM and SKT OPOTERM), under plaster and front-mounted.

**SkyRoll CLASSIC** is designed both for use in public buildings as well as in modern residential buildings. This product perfectly reduces solar radiation without sacrificing natural daylight, providing optimum protection against overheating. In this system there is no direct integration of the fabric with the guide channel. The product is available in front-mounted, under-plaster or top-mounted variant. Depending on the version of the selected product, the offer includes construction elements made of aluminium sheet, PVC or extruded aluminium and were adopted mainly from SkyRoll ZIP system. This is extremely important for manufacturers, as it allows the use of most components such as guide channels, round reel or bottom rail and thus optimises stock levels. This solution is also equipped with a telescopic cap for the round reel, providing installers with fast assembly, disassembly, and non-invasive service access. This cap can also be used with roller shutters. Manual control is not possible. The maximum dimension is 5000 × 5000 mm (max. 16 m<sup>2</sup>).



# SkyRoll **ECO**

**SkyRoll ECO** is a low-budget solution designed for less demanding investors. This product is perfect for buildings that need permanent sun protection, as well as on balconies, summerhouses or pergolas. The characteristic feature of the screens is the manual control with a spring system. It is also equipped with an intuitive mechanism ALU-CLICK for convenient closing and opening of the screen, which makes its use very simple and does not require a lot of effort. When closing it is enough to gently push the endslat. The product is available in front-mounted or under-plaster variant. Depending on the version of the selected product, the offer includes construction elements made of aluminium sheet or extruded aluminium. The **SkyRoll ECO** has a dedicated guide channel that is integrated into the fabric, additionally protecting the interior from insects. The endslat was adopted from the MKT insect screen system, which allows for the optimisation of stock levels. Thanks to the use of a telescopic cap in the round reel, the assembly and disassembly of the screen is very quick and easy, which is important during possible maintenance. As in the case of the ZIP and CLASSIC versions, this cap can also be used for roller shutters where SW40 reel is used or, thanks to adapters, also for SW50 and SW60 versions. The maximum dimension is 2000 × 2500 mm.

This solution is available in front-mounted and under-plaster versions.



The system has a dedicated guide channel that is integrated with the fabric so that the cover can act as an insect screen.

The use of the ALU-CLICK mechanism provides convenient and simple operation.



**SkyRoll  
ECO**





## **SkyRoll** the perfect complement to the pergola

The ingenious design of Aluprof's **MB-OpenSky** series of pergola means that **SkyRoll** screen as side blinds can be fitted. This opens up the possibility of creating a unique atmosphere, surrounded by nature, no matter how the weather is.



## **MB-SR50N ZS** – façade system compatible with **SkyRoll** screen

The **MB-SR50N ZS** system is an innovative solution combining the screen-type sun protection system with Aluprof's mullion-transom curtain walling system **MB-SR50N**. It was created primarily for the construction of buildings, where the complete harmony between technical and aesthetic aspects plays a special role. Bearing these considerations in mind, special pressure plates have been designed for the façade columns to allow the installation of the façade filling and decorative caps, which at the same time serve as a guide channel for the screen-type fabrics. Therefore, the decision to install this type of shading can be made at a later stage of the investment, when the façade is already installed in the building. The entire mechanism of the sunshade is discreetly hidden behind an aesthetic cassette made of extruded aluminium. The maximum dimensions of the façade panel with screens are: 5 m high, 4.95 m wide and an area of up to 16 m<sup>2</sup>.



# Challenges of modern architecture

Modern construction is characterized by transparency of construction, which is associated with openness and attachment to nature. Unfortunately, large glazing is also a significant amount of sunlight, which causes, among others:

- Excessive heat gain inside the building, resulting in deterioration of indoor environment parameters, including fatigue and concentration problems,
- Contrasts appearing on the screens of monitors lead to a glare effect, which makes the work much more difficult,
- Increased electricity consumption for ventilation and cooling.



## Sunshade efficiency



The lack of sunshades causes that **30-80%** of the solar radiation gets into the room, depending on the used glazing.



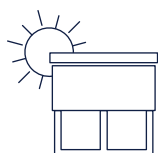
The use of internal sunshades ensures that only a small part of the solar energy is reflected from the glass, while the remaining part is absorbed into the room, emitting heat, which leads to overheating.



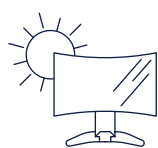
Thanks to the use of an external sunshade, as much as **80-90%** of the sun rays remain in front of the glass. The rays are reflected and dispersed, protecting rooms from overheating and dazzling people.

The offered screen systems provide a perfect balance between light and shade, and what is more, they can be a timeless decorative element of a building. Specialist fabrics used in screens, thanks to their reflective, permeable, and absorbent properties, stop the greenhouse effect inside the room, which helps to maintain a constant, comfortable temperature, while maintaining visibility outside.

# What are the benefits of using screens?



**SUNSHADE** – screen type roller shutters perfectly protect rooms against overheating by improving comfort of work



**VISUAL COMFORT** – screens provide adequate visual comfort, minimizing the effect of glare that may appear on the computer screen



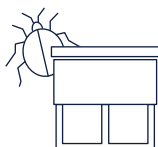
**ENERGY SAVING** – thanks to the use of this type of sunshade, we can significantly reduce expenditure on air conditioning in the summer season



**PRIVACY** – screens protect interiors against the gaze of unwanted people, while maintaining good visibility outside the building (homogeneous transparency)



**MODERN DESIGN** – the variety of fabrics makes screens a modern decorative element, which will give each building an individual character



**PROTECTION** – a properly selected screen system can also effectively protect the interior from the presence of insects

