

2025



Smart Windproof Zip Screen

Intelligent drive, heat insulation & sun protection
high-quality fabric, personalized customization

Smart Windproof Zip Screen

Redefining Outdoor Leisure Spaces

Outdoor windproof zip screen are exterior sunshade system products for buildings. They offer energy conservation, UV resistance, environment beautification, noise reduction, and indoor space saving. They are suitable for various scenarios like high-end hotels, home balconies, windowsills, pavilions, and sunrooms; they can also function as balcony enclosures and partitions.



Essential For
Enclosed Balconies



I Product Features

Coexistence Of Heat Insulation And Daylighting

The intelligent windproof sunshade zip screen system can help buildings block solar radiation and ultraviolet rays, preventing excess heat from entering the room while allowing soft light to enter. The sunshade system can adjust visible light and has good transparency, ensuring an unobstructed view of the outside scenery.

Excellent Wind Resistance

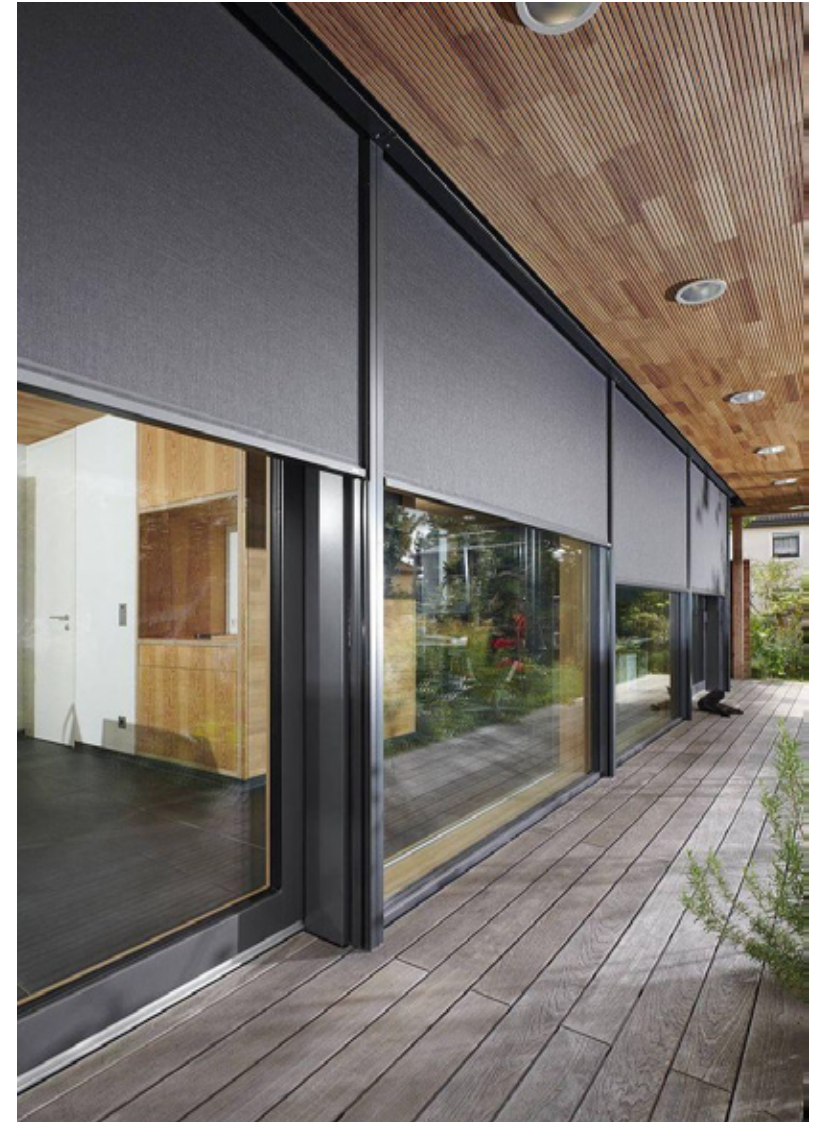
The intelligent windproof sunshade zip screen system has excellent wind resistance. Dynamic wind pressure resistance tests were conducted in a test chamber: during wind tunnel tests, when the wind speed reached a maximum of 35m/s, the roller blind system remained undamaged. After the test, the roller blind system could be used normally.

Insect Prevention and Ventilation

The zipper device of the intelligent windproof zip screen is embedded in the inner rail, ensuring a tight connection with the side rail. Additionally, the bottom weight strip is completely parallel to the windowsill, enabling seamless connection with the windowsill when the roller blind is fully lowered. This not only protects us from mosquito harassment but also ensures smooth air circulation.

Easy Installation Operation and Daily Maintenance

The intelligent windproof zip screen adopts a modular design, with a simple installation process that can be completed quickly without complex tools. It is equipped with an intelligent control operation mode, featuring clear and user-friendly operation logic. Daily cleaning only requires gentle wiping of the fabric, and components like rails are durable, resulting in low maintenance costs.



Function Icon Descriptions



Privacy Protection



Mosquito Prevention



Building Beautification



Heat Insulation



Sunshade



Rain Blocking



Energy Saving



Wind Resistance



Intelligent Control

I Product Series

Two models: 108 small specification and 130 large specification, select according to different scenarios



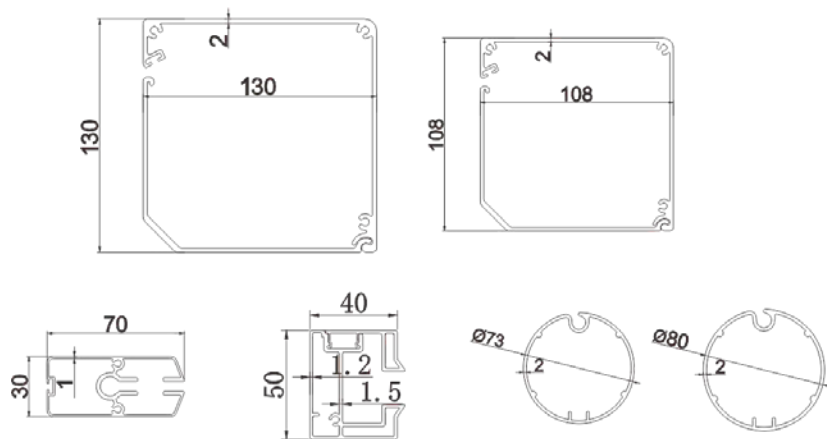
The 108 series can reach a width of 4 meters, widely used in hotels, homes, offices and other places.



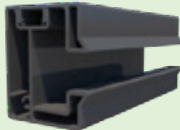
The 130 series can reach a width of 6 meters, suitable for large-scale scenarios.



Zip Screen Parameter Profile Dimension Diagram



Unit: mm

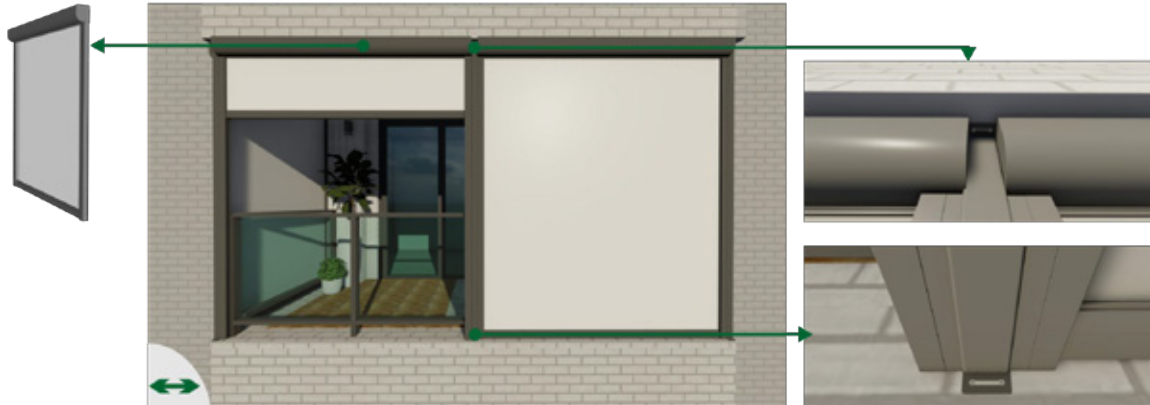
			
Name: Cover Box Dimensions: 130*130*2.0 108*108*2.0	Name: Bottom Rail Dimensions: 30*70*1.0	Name: Side Rail Dimensions: 40*50*1.2	Name: Fabric Roller Tube Dimensions: 80*1.2 70*1.2

I Installation Method

Windproof Zip Screen Assembled Columns

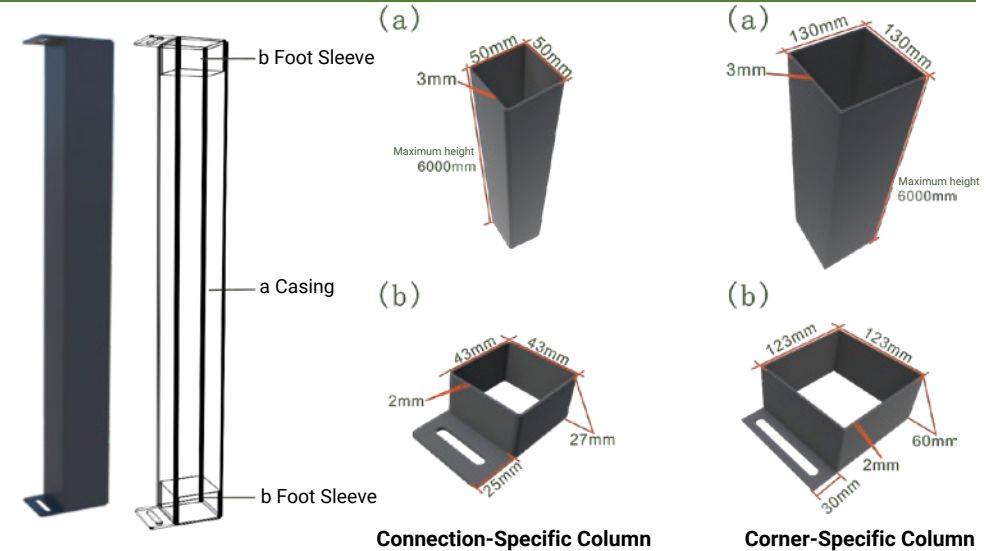


Use special columns for corner positions, ensuring the windproof zip screen can be installed properly.

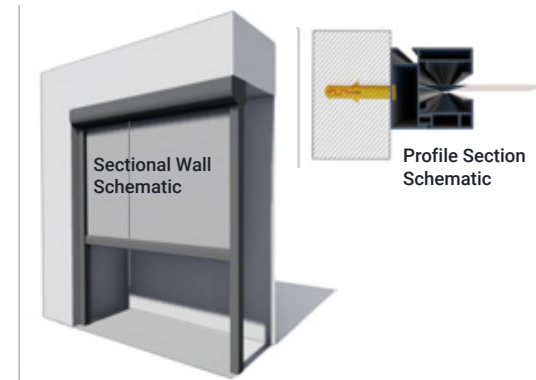


If the area where the windproof zip screen is to be installed is too large, it can be divided to facilitate the installation of multiple sets of windproof zip screens.

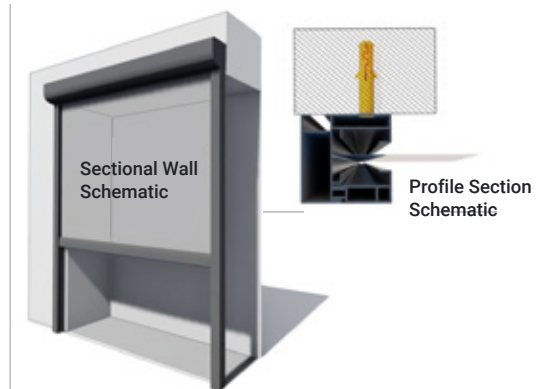
Profile Dimensions of Windproof Roller Zip Screen



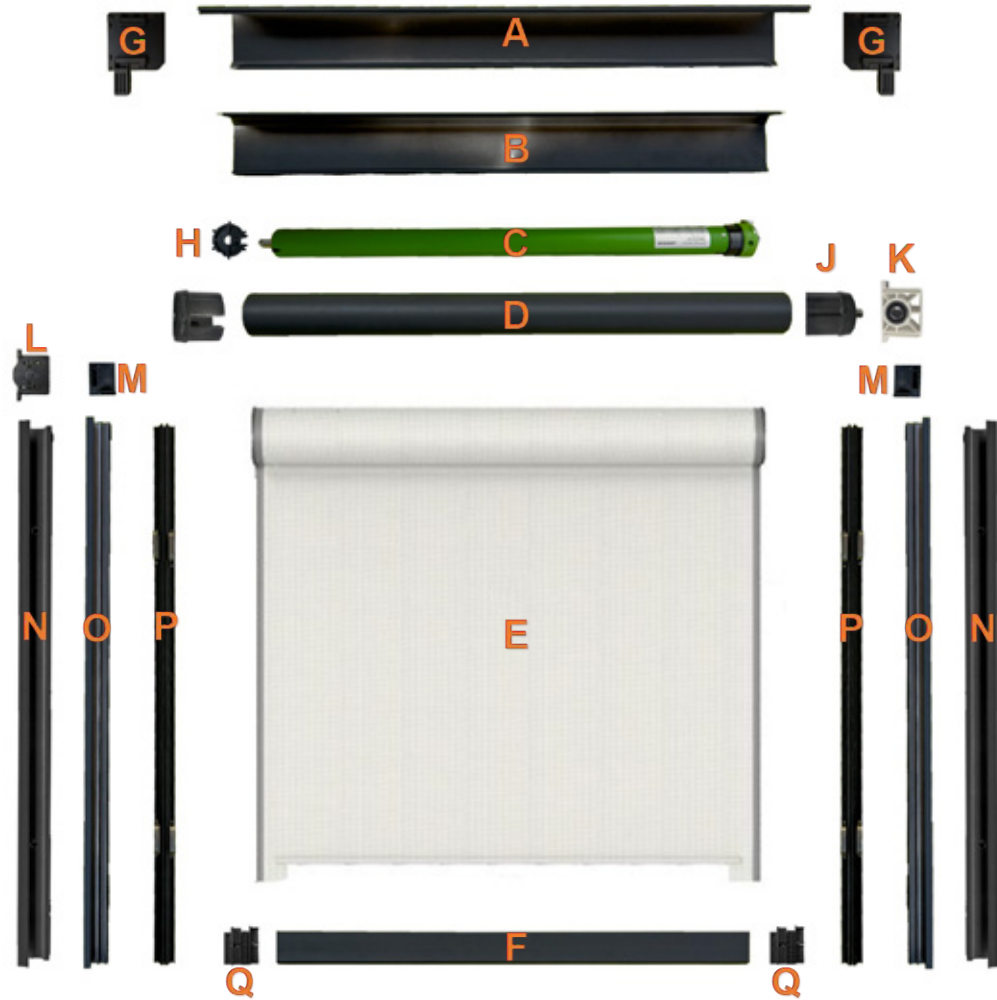
Internal Installation of Zip Screen



External Installation of Zip Screen



I Product Structure Diagram



A: Upper Housing

B: Lower Housing

C: Motor

D: Fabric Roller Tube

E: Fabric

F: Bottom Rail

G: Side Housing Cover

H: Motor Pulley

I: Left Rubber Round Cap

J: Right Rubber Round Cap

K: Round Cap Fixture

L: Motor Fixture

M: Side Rail Cover

N: Lower Side Rail

O: Upper Side Rail

P: Spring Strip

Q: Bottom Rail Cover

I Structural Features

Modular Square Shield

108108mm/130130mm shield, with a minimalist design for easy installation and inspection;



The latest combined accessories are used on both sides of the fabric roller tube to prevent uneven thickness between the sides and the middle when the fabric is rolled up, which would cause wrinkles on both sides of the fabric;

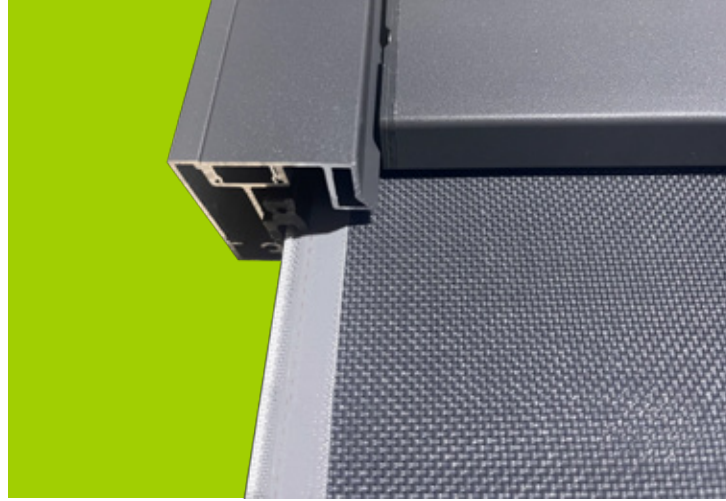
The hood box adopts a reinforced structural design, with excellent bending resistance;



Independent structure, no disassembly required—just open the upper hood box to replace the motor;

I Structural Features

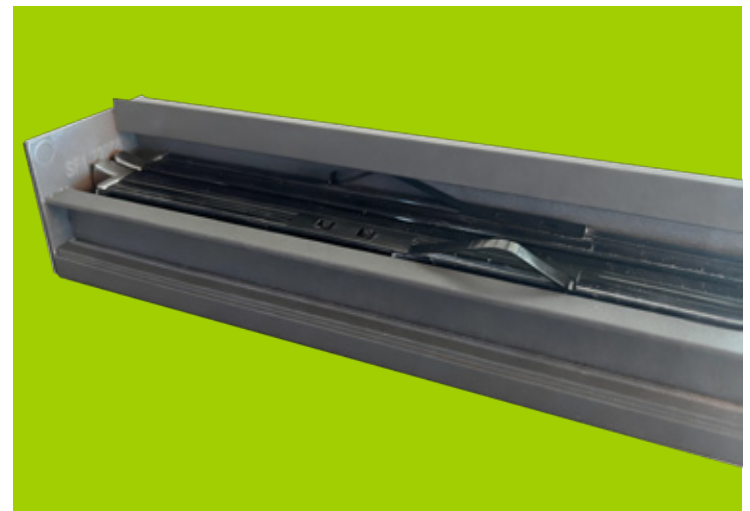
The latest rubber strips and zipper guide grooves are configured in the side rails, allowing the zipper to enter the guide rail vertically and protect the zipper throughout;



The front tube adopts a double-layer structure and is equipped with counterweights of different sizes to adapt to different size requirements, keeping the fabric flat and less prone to wrinkles;



The side rail rubber strips adopt a spring sheet elastic pad combined with high-quality sponge cushioning, giving the product better cushioning and wind resistance;



Introduction to the Intelligent Control System

Motor Brands



Somfy Motor



Dooya Motor



A-OK Motor

Control Methods

Both the transmitter and transmitter station support single frequency and multi-frequency (up to 15 frequencies, optional)



Transmitter



Transmitter Station



Intelligent Control Methods



Wind & Light Sensing

When the wind force reaches the set value, the sensor sends a signal to the receiver to automatically close the sunshade; when the light level reaches the set value, it sends a signal to the receiver to automatically open the sunshade. This function can be turned on/off

Tuya APP

Tuya APP is a convenient smart home control tool that allows remote control of devices (e.g., pre-adjusting temperature). For sunshade management, it enables one-click control of deployment/retraction and scheduled tasks; it also supports device sharing and smart scene modes to easily create a personalized smart life



Smart Voice Control



Wireless Remote Control



Scene Panel Control



Mobile APP Control



Huawei Xiao Yi



Xiao Ai Classmate



Tmall Genie



Baidu Xiao Du Du

Compatible with Multiple Smart Control Platforms

Measurement and Installation Notice

1. Check if the installation surface is flat and free of uneven areas;
2. Verify if the installation position is stable;
3. Check if there are obstacles at the installation position;
4. Confirm whether it is internal or external installation;
5. Confirm the external dimensions of the product and the direction of the motor;
6. Use a laser ruler to find the reference and measure the diagonal during installation;

Motor Wire Exit Position

Make sure how the wire ends go out

Confirm whether the motor is installed on the left or right side, and how the wire exits

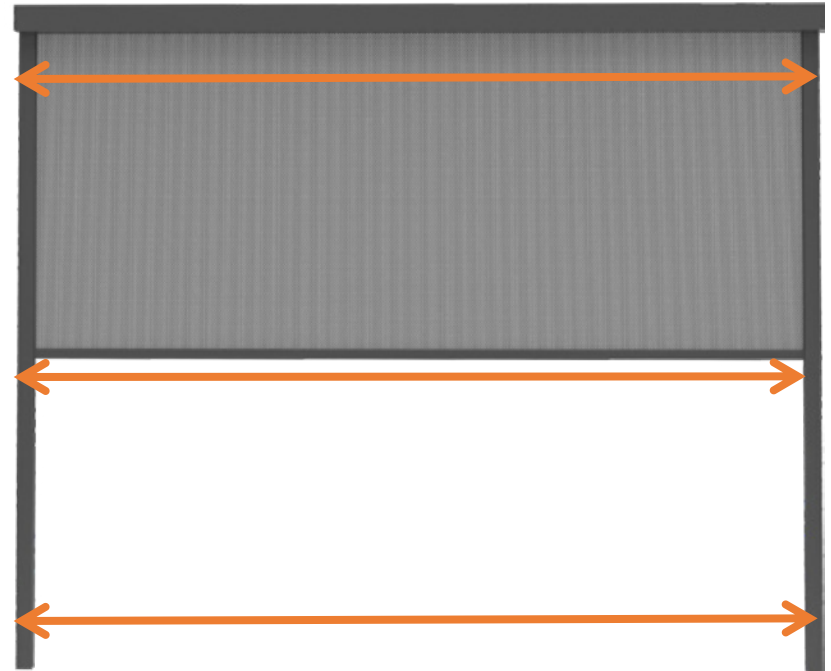


Measure three points and take the minimum value

Measure the top point

Measure the middle point

Measure the bottom point



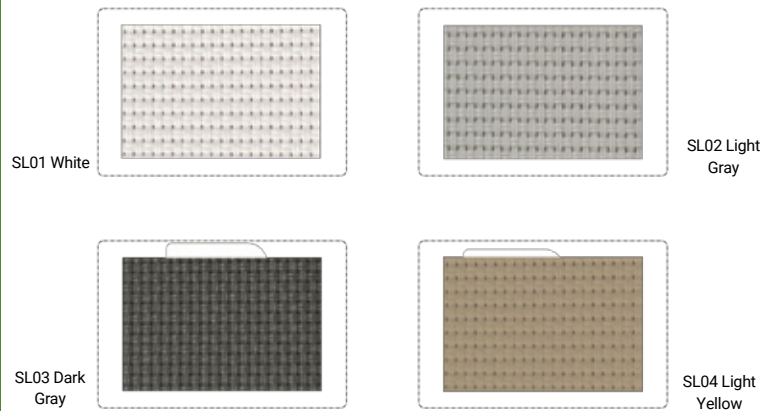
During installation, ensure it is perfectly level and plumb: keep the left and right rails completely vertical, and the top and bottom widths completely consistent.

I Fabric for Intelligent Windproof Zip Screen

Regular Polyester Fabric

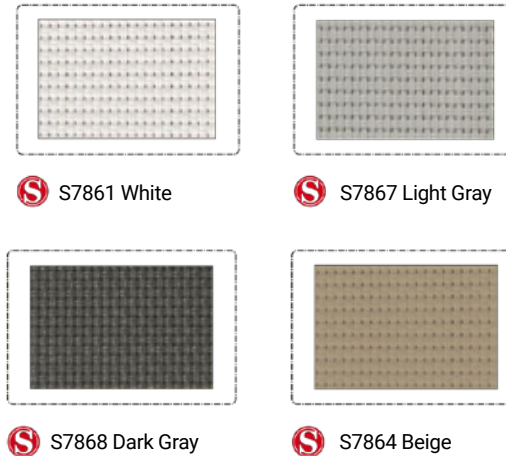
Fabric Parameters	Details
Openness	5%
Composition	25% Polyester, 75% Polyester
Warranty	3 years
Fire Classification	National Standard Class B1 (GB17591-2006 Flame Retardant Performance)
Colour Fastness	Level 8 (ISO 105-B02)
Roll Length	50m
Thickness	0.70mm(+/-5%)
Width	300cm
Weight	540 g / m ² (+/-5%)

Common Color Series (5% Openness)



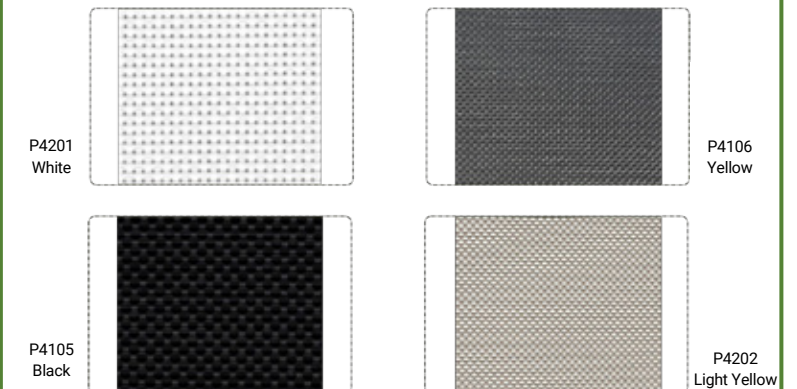
Spain Imported Soreda Fabric

Fabric Parameters	Details
Openness	5%
Composition	81% PVC 19% PES
Warranty	5 years
Fire Classification	EU Standard NF P92-503-507, NFPA 701
Colour Fastness	5/5
Roll Length	25m
Thickness	0.69mm
Width	250cm
Weight	±500gr/m ²



Bashiteng Fabric (SERIES P4000)

Fabric Parameters	Details
Openness	3%
Composition	30% Polyester, 70% Polyvinyl Chloride
UV Blockage	99%
Fire Classification	German DIN4102-1, NFPA 701
Colour Fastness	ISO 105-B02 Level 8
Thickness	0.72±5%
Width	200/250/300/320
Weight	565±5%



I Application Cases



I Application Cases



I Application Cases

