

TechnoFlip

The External, Motorized & Adjustable See-Through Roller Shutter

By TechnoShade



Smart Window Solutions for Sustainable Architecture

TechnoFlip

The External Motorized & Adjustable See-Through Roller Shutter

Surely the most innovative solution in its field, “TechnoFlip” is an Adjustable See-Through Roller Shutter, made of extruded aluminum that regulates “Natural Light” inside your home and at the same time allows “Ventilation” and a clear “View to the outside” through “flipping” its horizontal slats while ensuring “Privacy”.



TechnoFlip In Closed Position



TechnoFlip In Open Position

Principle of operation:

More performing than a classic “Roller Shutter” or a standard “Adjustable External Venetian Blind”, “TechnoFlip” is an enhanced combination of both of them and offers the best of their features.

Operated through the touch of a button, “TechnoFlip” rolls up and down like roller shutters and adjusts its slats, like adjustable Blinds:

The 3 main positions of the “TechnoFlip” are:

Opened position: The “TechnoFlip” is fully opened and fully concealed inside the shutter box.

Closed position: It is the Blackout feature; when “TechnoFlip” is fully closed and deployed.

Flipped position: The slats are oriented at 67 degrees, allowing natural light, air inside and a clear view to the outside

Features

“TechnoFlip” shutters combine all the following advantages in one single product:

- 1) Solar Protection
- 2) Maximizes the use of Natural Light (natural illumination).
- 3) Room Darkening (Blackout)
- 4) Air Ventilation (recycling of air).
- 5) Clear View to the Outside.
- 6) Privacy & Comfort: enjoy your space in full freedom.
- 7) Elegance and Design.
- 8) Protection against rain and wind.
- 9) Protection against intrusion.
- 10) Energy Efficiency and Cost Saving.

TechnoFlip



Eco-sustainability:

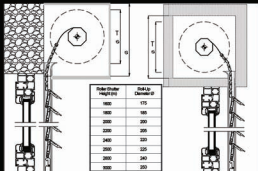
In summer, thanks to its "Solar Protection" feature, "**TechnoFlip**" protects your interior from direct "Solar Rays", reduces unwanted heat gain, maximizes the use of "Natural Light" and recycles the air of your interior, while allowing a "clear view to the outside".

This is done through orienting the horizontal slats at 67 degrees, in what we call the "**Flipped Position**".

In winter, "TechnoFlip" prevents cold from getting inside your interior, through its double-wall slats equipped with a rubber joint.

This is done through orienting the horizontal slats at 90 degrees, in what we call the "**Closed Position**".

In brief "**TechnoFlip**" offers additional thermal protection for a pleasant life at home.



Construction:

Low Maintenance: "TechnoFlip" is a "Low Maintenance" product that ensures constant operation over time!

Architecturally Fit: Two winding possibilities; it can roll-up in both directions; anti-clockwise and anticlockwise. The latter, allows for the installation of the shutter on the outside of the House guaranteeing style and elegance.

Versatility: Its operation does not require mechanisms within the guides; it is installed like a regular roller shutter on both new buildings and renovation sites.

Durability: Made of extruded aluminum profiles and painted with scratch-resistant powders, guarantees strength and functionality over time.

Adjustable Slats: Every slat opens like a top hung window. The opening angle is designed to offer a proper protection against direct sun rays while allowing natural light inside. The "TechnoFlip's" geometry provides an effective air circulation and an easy adaptation to most types of Architectures.

Standard finishes:

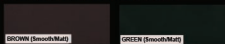
With dozens of possible combinations of colors and textures, "TechnoFlip" can fit with any Interior Decoration scenario to provide added value to your style and preference.

Among the wide choice of possible finishes, we have selected the following 15 to include 7 Wood Finishes, 2 Matt Finishes, and 6 Embossed and scratched-proof ones.

Wood Finishes



Standard Smooth/Matt Finishes



Standard Embossed Finishes



Through an overall approach to Sustainable Development, combining "bioclimatic principles" with both comfort to the occupant and refined Architecture, TechnoShade is a leading company involved in Sustainable Architecture through providing a variety of Smart Window Solutions. Our Automated Roller Shades, our Smart Roller Shutters, our Aesthetic Louvers and our external illuminated Facade Canopies are all "energy-efficient" Architectural elements dedicated to form a "dynamic façade" and contribute in optimizing the energy performance of a building. Our external Convertible Umbrellas and Pergola Shadings are dedicated to provide additional living space and comfort.

TechnoShade has a 20-year experienced team following up all the different phases of making a smart building: from preliminary design to execution details followed by implementation and configuration.

TechnoShade has contributed in the realization of many projects in different applications such as residential towers, hospitals, administrative buildings, universities, hotels, among them many are LEED certified.