Soltec Sliding and Folding Panels

Sun protection with added value
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Sliding and Folding Panels
Protection / Aesthetic appeal / Customization

Materials
Sliding and folding panels have an aluminium frame construction. The frame is 40 x 50 mm in dimensions, fitted with various inlays such as:
- Aluminium slats, 10 x 50 mm
- Aluminium sheet metal, 2 mm
- Aluminium perforated sheet metal, 2 mm
- Aluminium expanded metal mesh, in any pattern chosen by the customer
- Solits canvas, optionally printed with customer’s design
- Wooden slats, the shape of slats by customer’s choice

Components
Sliding panels’ components also include roller wheels, top and bottom aluminium guides and an opening lever. And additional component of sliding panels are stainless steel hinges.

Manual or motor drive
In the case of motor drive, an additional component is a toothed belt motor drive.

Colours
Aluminium panels can be powder coated in all RAL chart colours. You can choose between matte, glossy or structural finish.

Invisible part of the façade
Guides can be mounted on consoles and fully integrated into the façade.

Dimensions
The maximum dimensions for sliding panels are 1200 x 3000 mm, and 600 x 3000 mm for folding panels.
Sliding panels

OPENING / CLOSING
Sliding panels

TOP AND BOTTOM GUIDES
Sliding panels

FRONTAL VIEW - DIMENSIONS
Sliding panels

DETAIL
Sliding panels

ASSEMBLY
Sliding panels
Folding panels are a reflection of contemporary architecture and an important element in the aesthetic design of a building. They offer a wide range of options, implementing various materials and colours. Folding panels can be used to either blur or enhance the visible separation between glass and façade.

Panels ensure efficient protection from overheating, as they prevent solar heat from entering the building. Transparency of panels depends on the inlays used. Panels are wind resistant and ensure a high level of protection from burglary. For this reason they are commonly used on buildings where protection is of special importance.

The construction of panels consists of various aluminium profiles and guides. These are inlaid with materials such as aluminium or wooden slats of different shapes and dimensions, aluminium sheet metal or perforated metal, sheet metal perforated in a shape or pattern chosen by the customer, Soltis canvas optionally printed with a customer’s design, or various expanded meshes.

Panels can be controlled manually by pushing them to the left or right and locking them in the final position. Alternatively, panels can be moved left or right using a toothed belt motor. The motor is controlled by a switch, either individually or, if centralized, using a remote control connected with the central control system.
W63
Horizontal Folding Panels

FRONTAL AND SIDE VIEW - DIMENSIONS
Horizontal folding panels W63

CROSS SECTION
Horizontal folding panels W63

OPENING / CLOSING
Horizontal folding panel W63

Mounting
Horizontal folding panels W63

Drive Cross Section
Horizontal folding panels W63
Standard
Vertical Lifting Panels

FRONTAL AND SIDE VIEW - DIMENSIONS
Vertical lifting panels

CROSS SECTION
Vertical lifting panels

OPENING / CLOSING
Vertical lifting panels

CROSS SECTION
Vertical lifting panels

ASSEMBLY
Vertical lifting panels
Thanks to its special construction, the Extra-Weight lifting panel sustains heavy loads, up to 25 kg/m². At the same time it allows a greater thickness of panels, up to 64 mm. It has a tubular aluminium frame, 30/30 mm in dimensions, and horizontal 20 mm aluminium bars. Vertical wooden 30 x 64 mm profiles are fixed to the aluminium frame at an interval of 50 mm. Other materials may also be used, of up to 64 mm in thickness. Panels are fixed to special stainless steel hinges, which are linked to axes or rolling wheels.

Panels can be opened or closed manually or using a motor drive. The dimensions of the panel can be up to 600 x 3000 mm. Guides are made of galvanized steel. Rolling wheels and brackets are made of special aluminium alloy and steel.
Soltec™ is a trademark of innovative and durable sun protection systems.

It is the brand of Mipo Ltd., a company with a long-standing tradition of development and manufacturing. The company produces efficient, aesthetically appealing and technically perfected sun shading solutions. We turn ideas into original concepts, innovative products and new services. We focus on innovations which ensure energy efficiency, passive cooling and quality lighting.

**Products:**
- sunbreakers, sliding and folding panels, all types of roller blinds and exterior horizontal constructions, exterior venetian blinds, mirror blinds.
- Calculation of static, wind force, kinematic movements, factors of solar protection (g-value) and of daylight in the interior.
- Comprehensive solutions: development, engineering, design, planning, production and installation.

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