

SPECIFICATION DATA – SC 800 (WIND-RESISTANT SCREEN)

APPLICATION

External roller zip screens to reduce solar gain; suitable for retrofit/new build projects where maintenance access is required from the front of the box. Ideally suited for inward opening, lifting, and sliding windows and doors.



DESCRIPTION

The SC800 zip screens retracts into a small box above the glazing and is pin mounted onto side guides with zip seals for improved wind performance. The box, side guides and end rail are manufactured in extruded aluminium and can be RAL colour matched to the window frame or façade. The screens range from blackout to mesh fabrics with an openness factor of 14% retaining the view to the outside.

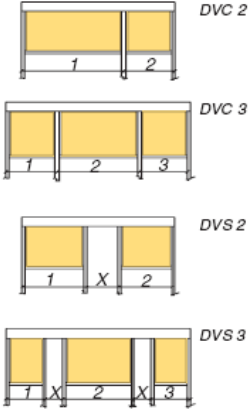
FEATURES AND BENEFITS

- Retracts into a discreet 90 to 150mm sized box
- Suitable for installation inside and outside the reveal
- Guide rails suitable for curtain walling
- Manual and motorised operation
- Wind tight and insect proof
- Options for optimal transparency or total blackout fabric
- Window size (maximum) 18m² – consult supplier for specific dimensions

GENERAL INFORMATION

Uniclass	Pr_30_59_07_26
CAWS	L10/680 Solar shading system N10/240 Blinds L10/59 Solar shading system
Product range	Sun Protection Screen/Vertical

Product Reference	SC800
Headbox Installation	<p>The box (square or rounded) is made of extruded aluminium, which is powder-coated, and RAL colour matched.</p> <p>The box dimensions are 73 x 73, 90 x 90, 110 x 110, 150 x 150mm (based on the rolled-up size of the fabric).</p> <p>The box consists of a square or rounded front plate, a torque bar and an upper plate. The upper plate has guide rail grooves for mounting brackets that can be fitted optionally. The screen is assembled with stainless steel screws. The metal side cap has a guide pin and stop to fit the guide rail into.</p>
Side guides	<p>Clip guides with blind attachment from extruded aluminium, with a powder coating or natural-coloured anodised. At the bottom there is an end cap to stop the bottom lath.</p> <p>External dimensions 55 x 30mm or 40 x 30</p> <p>Inside the guide rail there is a plastic strip with metal springs which keeps the fabric tight.</p>
Bottom lath	<p>The bottom lath is made of extruded aluminium, which is powder-coated (colour to be chosen by the architect). The weight of the bottom lath (including the strengthening strip) is 1.6 kg per metre.</p> <p>Fabric is attached to bottom lath without screws, using a plastic tube.</p>
Operation	<ol style="list-style-type: none"> 1) Manual: Crank handle operation 2) Motorised <p>Self-braking worm-worm gear mechanism, with a transmission capacity of 1:4, a built-in end limiter (prevents the fabric from rolling up incorrectly)</p> <p>Electric: Operation consists of a built-in, asynchronous tubular motor with adjustment buttons for determining the up and down position.</p> <p>Optional extras:</p> <ul style="list-style-type: none"> - Motors with electronic shut-off. - Motors with built-in receiver (RTS) - Control, by room and centrally by wind-sun sensing device. <p>To be carried out by electrician: cables for power supply and operation of the sun protection screens.</p>
Screen Fabric	<p>SERGE COPACO is a transparent and light-inhibitory fabric consisting of fibre-optic threads which are pre-coated with plastic-based PVC and mass-coloured. The fabric retains its shape, is not affected by moisture and heat, unperishable and resistant to light. The vertical lateral sections of the fabric are reinforced by a high-frequency zip (on the non-visible side). The bottom is strengthened by an applied reinforcement band. The darkest side is positioned on the outside or view side. For heights of more than 2,500 mm, there is a horizontal weld seam.</p> <p>Weight per m²: approx. 525 gr/m²</p> <p>Thickness: 0.84 mm</p> <p>Classification of flammability: M1</p>

	<p>SOLTIS 86/SOLTIS 92 are transparent and light-inhibiting fabrics, consisting of woven polyester threads which are stretched under great tension and attached with a Plastisol layer. The fabrics have a two-sided coating, giving the fabrics excellent protection against UV rays and making them dirt-repellent. The vertical lateral sections of the fabric are reinforced by a high-frequency zip (on the non-visible side). The bottom is strengthened by an applied reinforcement band. For heights of more than 1.770 mm, there is a horizontal weld seam!</p> <ul style="list-style-type: none"> - Weight per m²: approx. 380-420 gr/m² - Thickness: 0.43-0.45 mm - Classification of flammability: /M1/B1 <p>BLACK-OUT B92 is a transparent and light-inhibiting fabric, consisting of woven polyester threads which are stretched under great tension and attached with a Plastisol layer (Soltis). On the window side of the fabric, an obscuring PVC coating has been applied. The vertical lateral sections of the fabric are reinforced by a high-frequency welded zip (on the Soltis side). The bottom is strengthened by an applied reinforcement band. For heights of more than 1700 mm, there is a horizontal weld seam.</p> <ul style="list-style-type: none"> - Weight per m²: approx. 650 gr/m² - Thickness: 0.60 mm - Classification of flammability: M2 - Colour: to be determined by the architect in charge
Wind resistance	These comply with wind speed class 3 – EN13561. Test results according to CSTC, running at constant pressure of up to 1000Pa (up to >140km/h) and an average dimension of 3.5 x 3m.
Product Options	<p>Option to use 1 box for 2 or 3 screens:</p> <ul style="list-style-type: none"> • type 1: screens directly next to each other (DVC) • type 2: screens with a small gap (DVS): • minimum 26 mm • maximum 500 mm 

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