

### Warranty certificate

Dear customer,

You have recently become the owner of a quality sunprotection screen from RENSON Sunprotection-Screens.

We congratulate you on your wise choice. After final inspection your sunprotection screen was given the serial number that you can find in this booklet.

All the materials we use are top quality and suitable for their purpose. As a manufacturer of sunprotection screens, we guarantee our products for five years\* against any defects occurring during normal use and maintenance.

In the event of problems, always quote the serial number to your installer.

Because RENSON Sunprotection-Screens places great importance on the quality of its products and on providing maximum satisfaction for our customers and end-users, we have drawn up special operating and maintenance instructions.

\* A 5-year guarantee also applies to motors.

Concerning the coating of aluminium elements, a 10-year guarantee applies for the colour stability. A 5-years guarantee applies on the gloss of the coated profiles.



### User manual & warranty conditions

#### 1 • Electrical specifications

Category	Rating
Power supply	120 Volt AC
Current	2,5 Amps
Output	285 Watt
Protection class	IP 44
Max. operating time	Approx. 4 to 5 minutes

#### 2 • Wind class

Depending on the quality of the product the ZipShade Top Max (F) is conform wind class 3. Guaranteed up to 120 km/h (≈74 mph\*). with fully rolled out screen (stationary).

For information the following are the wind classes according to the DIN 13561:2004 standard.

Wind class	Wind force (on Beaufort scale)	Wind speed	Wind speed (mph*)
Class 0	Product not tested/not in compliance		
Class 1	4 bft	20 - 28 km/h	≈ 13 - 17 mph
Class 2	5 bft	29 - 38 km/h	≈ 18 - 24 mph
Class 3	6 bft	39 - 49 km/h	≈ 25 - 30 mph
	7 bft	50 - 61 km/h	≈ 31 - 38 mph
	8 bft	62 - 74 km/h	≈ 39 - 46 mph
	9 bft	75 - 88 km/h	≈ 47 - 54 mph
	10 bft	89 - 102 km/h	≈ 55 - 63 mph
	11 bft	103 - 117 km/h	≈ 64 - 73 mph
	12 bft	> 117 km/h	≈ ≥ 74 mph

#### 3 • Function

Sunprotection screen for external use, specially designed to exclude the sun and create an optimal internal climate. Depending on the type of fabric selected, the values for light permeability and heat protection may vary. The specific design of the ZipShade Top Max (F) makes it extremely resistant to wind gusts.

#### 4 • Guarantee

All materials used by RENSON Sunprotection-Screens are top quality and suitable for their purpose. As a manufacturer, RENSON Sunprotection-Screens guarantees its products for five years against any defects occurring during normal domestic use and regular maintenance. There is also a 5-year guarantee on the electrical controls.

The guarantee on the colour stability and gloss of the coating of aluminium profiles depends on the type of environment (non-aggressive versus aggressive environment) and the type of treatment:

\* Converted for your convenience. Rounding errors may occur, certificate is based on tests in km/h

## User manual & warranty conditions

Guarantee	NON-aggressive environment	Aggressive environment, e.g. ocean, heavy industry, etc.
Standard coating	10-year guarantee on coating - 5-year guarantee on gloss <i>Subject to limited maintenance</i>	No guarantee
Seaside Quality A	10-year guarantee on coating - 5-year guarantee on gloss <i>Subject to limited maintenance</i>	8-year guarantee on coating - 5-year guarantee on gloss <i>Subject to frequent maintenance</i>
Pre-anodisation	10-year guarantee on coating - 5-year guarantee on gloss <i>Subject to limited maintenance</i>	10-year guarantee on coating - 5-year guarantee on gloss <i>Subject to limited maintenance</i>

Limited maintenance = twice a year, frequent maintenance = four times a year

Colour differences and spots can occur during the anodisation process. Anodisation is a process where the parameters are difficult to control. Tolerances are normal within this process and can bring colour differences.

The guarantee includes the supply of replacement parts, fitting on site by the installer, or a complete overhaul of the system by the manufacturer at his factory. In case a spare part is no longer available, a viable alternative is proposed as a replacement of the original part. Fitting costs (travel + hourly rate) are not covered by this guarantee. The guarantee period starts on the date of manufacture and refers only to the product itself, not to its installation.

The guarantee remains valid only if the product is used and maintained by the purchaser "as a good keeper" and in accordance with the instructions in this manual. Incorrect or abnormal use will void the guarantee. Please always quote the serial number to your installer when reporting problems.

Any defect for which a guarantee claim is being made must be notified to RENSON by the customer in writing by a registered letter with acknowledgment of receipt, within one week of being identified, under penalty of dissolution of the right to appeal to the guarantee. Any form of compensation is excluded in case of a belated declaration. To be admissible, the guarantee claim must be accompanied by a copy of the RENSON invoice and a copy of the order form, with information regarding the building site added. The customer has to be able to prove that all precautions have been taken to be able to fulfill all warranty conditions. The warranty is not renewed after a completed repair (under warranty). On completion of the repair, the customer is responsible to take all necessary precautions to avoid worsening or further damage.

## 5 • Usage conditions

### Temperature

- Withstands normal ambient temperatures (-18°C (≈0°F\*\*) to +60°C (≈140°F\*\*), taking into account the motor's thermal protection).
- Do NOT operate sunprotection screen in frosty conditions.**

### Humidity

- Resistant to 100% moisture (rain).
- Do NOT hose at high pressure.
- Do not use the sunprotection screen in heavy rain, snow or hail.**

### Wind

- The sunprotection screen should only be operated downward in winds up to 50 km/h (≈ 31 mph\*\*).
- The fabric should be rolled up in winds > 60 km/h (≈ 37 mph\*\*).

### Storage

- Always store dry, in the shade and away from sources of heat.

## 6 • Safety

### Mechanical

- It is important only to use the system for its intended purpose.
- Never stand on the system.
- Always take care when opening the cap on the container.
- Never put your hand in moving parts and never place fingers between the profiles.
- Maintain the system at regular intervals and use only original replacement parts.
- Clean the system regularly.
- It is normal for a small crease to form in the fabric: do not tension the fabric.
- Never attach additional components or accessories to this product. Except for the specially by RENSON Sunprotection-Screens developed accessories

### Obstacles

- There should be no obstacles to prevent the screen being rolled up or down, e.g. planters, branches, etc.
- Make sure there are no twigs or leaves on the fabric.**
- Never let your children play near moving screens.
- When the screen is under pooling water, first remove the water before rolling up the screen.

### Power supply

- Electric operation: see the electrical specifications of the motor in point 1.
- See also specific power instructions.

Provide the necessary sensors or programming within your Building Management System to take into account the usage conditions mentioned above.

**IT IS IMPORTANT TO FOLLOW THE APPENDED INSTRUCTIONS FOR YOUR SAFETY. KEEP THEM IN A SAFE PLACE.**

### Electrical (if applicable)

- Prevent electrocution during maintenance using a plug or circuit-breaker close to the system (check there is no power to the device).
- If you have an automatic system, the cassette should be fitted with a lockable switch.
- The motor may overheat if the system is operated multiple times in succession. The thermal cut-out inside the system will make it inoperable for a while (approx. 10 minutes).
- Place the remote control out of reach of children.
- Check the cables for damage at regular intervals.
- Electrical components may only be modified with the permission of the manufacturer.
- If the motor cable is visible and installed outdoors, the cable needs to be protected by conduit or trunking which is sun resistant.

## 7 • Installation

### Opening the packaging

- The system is packed to protect it during storage and transport.
  - Always store in a dry place at normal temperature.
  - Transport and handle the system carefully.
- Check the packaging for signs of major damage.
- Open the packaging carefully.
  - If using sharp objects, be careful not to damage the paint.
  - Remove the system carefully from the packaging.

### Installing the system

- See installation instructions.
- Power supply and all additional cabling belong with the electricity batch and not to the sunprotection batch.

### Electrical connections (if applicable)

- See motor installation document.
- The mains connection should be made by a qualified electrician in accordance with applicable standards.

### Starting

- Check that all items match the installation instructions.
- Check that the electrical connections are in good condition and that no cables can become entwined in the system (if applicable).
- Roll the fabric up and down once (adjust the electric motor if necessary)

## 8 • Correct operation

### Electric operation

- See enclosed technical manual (English version) for the particular motor type.
- Immediately turn the switch to the zero position if the motor makes a high-pitched noise. Contact the installer if you cannot locate the cause yourself.
- If the motor end setting is no longer correct (e.g. the screen does not roll fully up or down), contact your installer.

\*\* Converted for your convenience. Rounding errors may occur.

- If your sunprotection screen has an automatic controller (automatic wind/sun system), it is advisable in the following cases to set the system to manual:
  - In winter, as operating the screen in frosty conditions could damage it.
  - If you are away from home for an extended period.
- RENSON cannot guarantee that the communication protocol for building automation and/or home automation is compatible with the screen motor.
- The programming, operation and/or Building Management System do not belong to the sunprotection batch.

## User manual & warranty conditions

### 9 • Maintenance

The system does not need much maintenance, but for years of enjoyment, we advise the following:

- If the fabric becomes wet in a sudden storm, you can still roll it up and unroll it later to dry when the weather is better. However, avoid having the wet fabric rolled up for more than three days to prevent formation of mould and spots.
- Before cleaning, remove any loose dirt with a brush or vacuum cleaner. You can then use a cleaning product (avoid caustic products) and warm water to remove the remaining dirt. Always rinse the fabric after cleaning. Avoid cleaning in full sunlight: if soapy water dries quickly, it can leave spots on the fabric. Do not use aggressive abrasives.
- If anodised or enamelled profiles become dirty, they can be cleaned with warm water and a gentle-acting cleaning product. Never use aggressive products, abrasive sponges or other abrasive media. We also advise against using high-pressure equipment.
- Swivelling or rotating parts should be lubricated annually. Incl. between the pulleys and their stainless steel axis, the alignment wheels and their stainless steel axis and the wheels of the trolleys. Use a dry lubricant for this (Veidec Dry Lube (G6002790)). The PVC side guides that hold the ZipMax (F) screen zips, need to be lubricated at least once a year (Ceramic Lube (G6002795)).
- After cleaning (remove twigs and leaves), plastic sliding sleeves can be lubricated with a dry lubricant (Veidec Dry Lube (G6002790)).

- Frequently control your product on twigs, leaves, bird nests, etc. and remove them. Maintain the product "as a good keeper".
- As the manufacturer, we recommend having a regular technical inspection by your installer:
  - Annually at public utility building and at your private home.
- Always use original parts from the manufacturer.

#### Important to know:

- Minor colour variations may occur during the manufacturing process between the colour guides and the profiles of the sunprotection screen. There may also be minor colour differences between components and profiles.
- The fabric may exhibit slight colour nuances and imperfections.
- Because the fabric is rolled up, it can form folds or creases.
- Over time, the colour of the fabric may fade slightly, depending on the chosen colour and design.
- Milk stains can appear with the use of the Rensonscreen Waterproof screen. These stains disappear when the screen is dry. This is a characteristic of this screen.
- In the case of straight screens, where the fabric hangs down vertically because of the weight of the bottom rail or a tensioning system, wrinkles can form in the fabric depending on the type of screen.

### 10 • The guarantee does not cover

- Materials intensively exposed to damaging weather conditions.
- Materials exposed to an aggressive industrial environment and becoming discoloured or damaged as a result.
- Materials installed in an environment where there is a high salt content in the air, resulting in corrosion of the grooves.
- Products not installed in accordance with the manufacturer's instructions.
- The angle of inclination (see product file) hasn't been taken into account during installation (warranty on drainage and its consequences expires).
- Materials (e.g. tapes, cables, cords, springs, rollers, etc.) that become worn as a result of frequent or protracted use.
- Assembly taken place with too weak fixing material.
- Natural ageing.
- The use limits of the product (as listed in the manual) being exceeded.
- Use of non-compliant parts or parts not approved by our technical department.
- Incorrect or forced use. This is not a toy. It is not designed to be climbed or hang on.
- Installation, repairs or modifications carried out by unauthorised persons.
- Damage caused by third parties, such as transport damage, and other abnormal circumstances (damage caused by storms, hail, water, fire, etc.).
- Unavoidable aesthetic changes resulting from product manufacture or the intrinsic properties of the product/screen.
- RENSON Sunprotection-Screens is not responsible for glass breakage (e.g. by incorrect assembly or by the uneven heating up of the glazing).
- If the CE-sticker with the serial number has been removed or has been made unrecognizable.
- If the serial number for the motor is illegible or has disappeared.

### 11 • Problem solving

Fault/problem	Cause	Remedy
Motor ignores end position	End positions erased	Reset end position
Motor does not reach end position	Moisture causing short circuit	Repair electrics
	External users are connected to the motors.	Remove the external users.
	Incorrect connection	Check the electrical connection
Motor stops for no apparent reason	Motor overheated	Wait a few minutes
	Blown fuse	Replace fuse
	System blocked physically	Remove blockage or friction points
	System out of alignment	Check placement
	Faulty motor	Replace motor
Screen is "open" at the sides	Screen has come out of guides	Open/shut the system once. If not remedied consult the installer
Screen very loose when open	Bottom end point not set correctly	Adjust end point

### 12 • Features

Product:

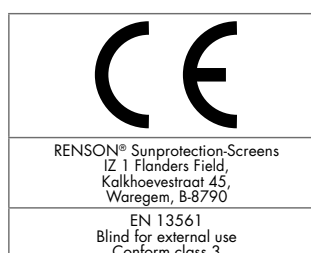
Description: zenithal sun protection system for outside use

Type: ZipShade Top Max (F)

Conforms with requirements of EN 13561

Serial number: see inside topcover box

Year of manufacture: see inside topcover box



Guarantee certificate

Product:

ZipShade® Top Max

ZipShade® Top Max F

Serial number

From

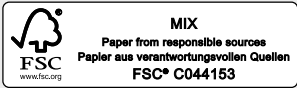
To

Date of manufacture

Signature, final check

Dealer / installer stamp

Date	Type of maintenance	Name/signature of installer



Conditional technical changes. The most recent edition of the brochure can be downloaded on [www.renson.eu](http://www.renson.eu)



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