HEALTHY RESIDENTIAL COMFORT





OUR **MISSION**

by Paul Renson



"RENSON" specialises in ventilation, sun protection and outdoor. With experience dating back to 1909, and an integrated team of over 650 employees, we develop systems and solutions that provide consumers with a healthy and comfortable

living and working environment, also taking into account energy efficiency and the use of renewable energy. We develop innovative products and systems, and offer total solutions to make every house into a healthy and comfortable home.

"We also appreciate the aesthetic values of every building, allowing our sun control and ventilation systems to be incorporated invisibly into your home. Our terrace coverings and aluminium blades for covering façades provide clear accents, offering added value to the architecture. Inside, we ensure that doors are integrated invisibly with no conspicuous frames or visible joints."

Discover how RENSON® products can optimise the comfort experience while guaranteeing a contemporary design.

"We develop innovative products and systems allowing for aesthetic integration in every building."



COMFORTABLE LIVING STARTS WITH RENSON®

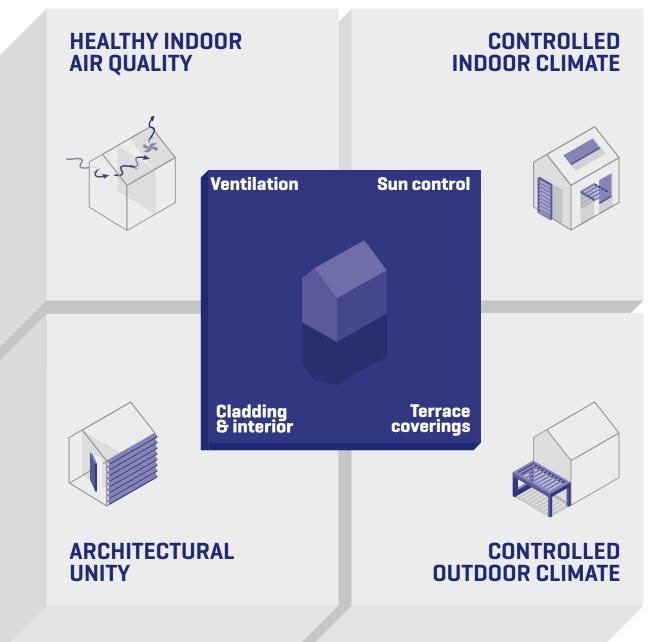
RENSON® is innovation with a clear vision: ensuring the occupant's health and comfort, whilst taking energy efficiency and the added value of aesthetics into consideration.

The continuous supply of fresh air and the extraction of contaminated air through a demand-driven ventilation system enable you to breathe healthy air at all times.

Intensive ventilation and exterior window blinds allow the warmth of the sun to enter when required, but prevent unnecessary cooling costs on warmer days.

The terrace coverings ensure a pleasant ambiance so you can live outside throughout the year, without any hindrance from excessive sun, rain, wind or cold.

Whether you want something eye-catching ... or not: aluminium blades provide striking facades with straight continuous lines. The ventilation and external blinds systems are hardly noticeable from the inside, while invisible door systems ensure that closed doors and walls appear as one, without any disruptive frames and hinges.





To achieve optimal living comfort, it is important to take account of the orientation of the building, the influence of the different seasons, and the lifestyle of the people who live or work in this environment.

That's why it's important to evaluate the different systems during the design phase and incorporate the most suitable elements in the design. This ensures home owners optimum, long-term enjoyment of their home.

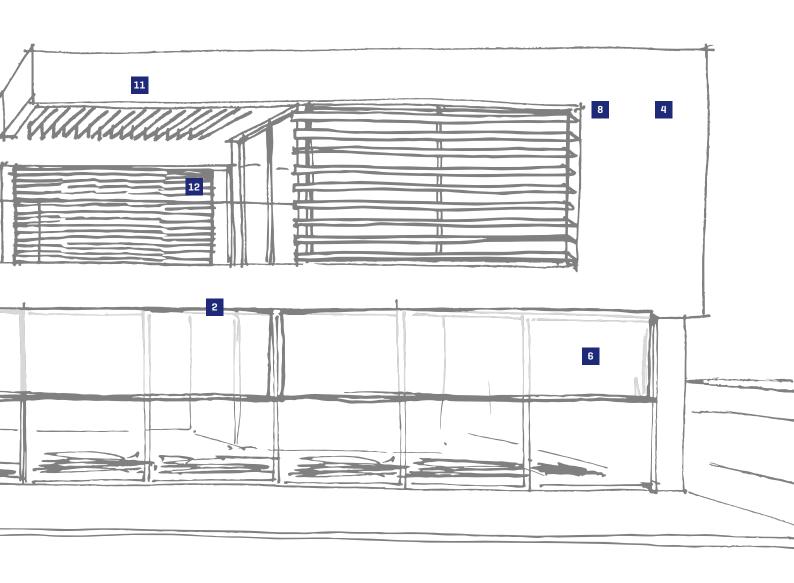


OUR **SOLUTIONS**

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WHY VENTILATE?

A house is alive. Its occupants pollute the indoor air by breathing and sweating. However, their activities (cooking, showering, heating, smoking etc.) as well as the house itself (volatile organic compounds such as formaldehyde and terpenes) also contribute to inferior air quality. High levels of insulation and insufficient ventilation produce musty, polluted air and create a breeding ground for annoying moulds, viruses and bacteria. Moisture accumulation, CO_2 and high concentrations of dangerous gases (such as radon) are also among the risks.

In the long term, a poor indoor climate can damage the health of the occupants. Respiratory problems, a dry throat, eye irritation, headaches, allergies, loss of concentration, low energy or sleepiness are only some of the possible effects. That is why it is extremely important to ventilate thoroughly and regularly.

GOOD FOR THE OCCUPANT AND THE HOUSE

Many people are convinced it is necessary to open the windows from time to time to allow fresh air coming in. However, the impact is temporary and local. Moreover, ventilating with open windows is not controlled, which results in a loss of precious energy. Open windows are also associated with noise and are an invitation for burglars and annoying insects.

Demand controlled ventilation is your only guarantee of an efficient and healthy indoor air quality.



NATURAL VENTILATION: A HEALTHY AND ENERGY-EFFICIENT CHOICE

A ventilation system with natural fresh air supply has many benefits. It is a healthy choice first and foremost because the fresh air is supplied directly. This also saves energy immediately, because a natural flow of fresh air means no energy is required. Thanks to its simplicity in design, the system is also particularly maintenance-friendly.

THE DIFFERENT VENTILATION SYSTEMS COMPLIANT TO PART F:

Building regulation PART F 2010 (England & Wales) define 4 systems: 1, 2, 3 and 4



System 1: Natural supply & Intermittent extract fans



System 2: Natural supply & Passive stack ventilation



System 3: Natural supply & Continuous mechanical extract



System 4: Continuous mechanical supply & extract with heat recovery

In addition to these systems, RENSON® introduces demand-controlled ventilation called System C+®EVO and system E+®



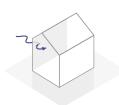
System C+®EVO: Natural supply, demand-controlled mechanical extraction (DCV)



System E+*:
Natural supply, demand-driven
mechanical extraction with
heat recovery for warm sanitary
water and low temperature
heating [MVHR]



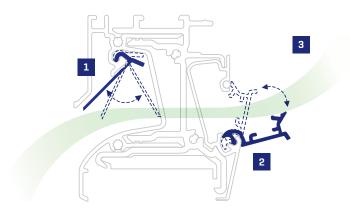
VENTILATION: SUPPLY/TRANSIT/EXTRACTION



I-FLUX® TECHNOLOGY



Thanks to the application of i-Flux® technology, RENSON® can quarantee maximum comfort with minimum energy loss. i-Flux® technology is based on the following three principles:



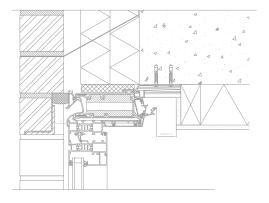
- 1. Self-regulating: a self-regulating flap reacts to changes in pressure, ensuring a constant air-flow, that prevents draughts even with windgusts.
- 2. Manually controlled inner flap: the required airflow can be determined depending for example on the occupancy in the
- 3. Upward airflow: the shape of the inner flap conducts the fresh air upwards resulting in optimal distribution throughout the space and guaranteeing maximum comfort.



INVISIVENT®EVO & INVISIVENT®EVO AK

Natural air supply

This supply window ventilator can be incorporated almost invisibly above the window guaranteeing a maximum inlet of natural light and a stylish finish. To keep unwanted noise out of houses on a busy street or of bedrooms you can also opt for the acoustic version, the Invisivent $^{\circ \text{EVO}}$ AK.

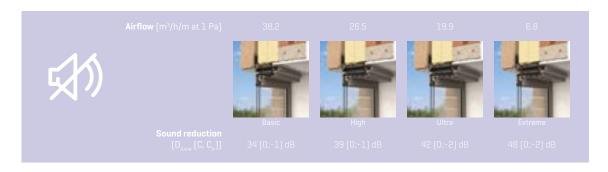






- \oplus Healthy and natural ventilation
- \oplus Draught-free thanks to self-regulating flap
- ① Discrete positioning

- Security windows
- $\ \oplus$ Rain- and insect repellent
- \oplus Maintenance-friendly







FIXVENT® MONO AKEVO

Discrete ventilation, blinds, acoustic comfort and insect screen in one

In addition to providing blinds, the Fixvent® Mono AK^{EVO} also ensures ventilation and draught-protection thanks to the self-regulating flap which regulates the supply of fresh air. Wind resistant up to $130 \, km/h$ in every position is guaranteed with the Fixscreen® technology. Moreover, the screen can be used as an insect screen when closed.



- \oplus Integrated ventilation & external blinds
- Architectural solution for external blinds with or without ventilation
- \oplus High level of acoustic and thermal comfort
- ① Darken at the touch of a button (with Light-block)



VENTILATION: SUPPLY/TRANSIT/EXTRACTION



INVISIDO®

Discrete transit above the door

Invisido® is a discrete door ventilator, almost invisible. Because this ventilator is mounted on top of the door, an aesthetically disruptive opening beneath the door is no longer required. The unique design blocks see through and quarantees sufficient air transit from one room to another.





- ① Discrete fully integrated
- ⊕ No see through
- Suitable for all door thicknesses from 35mm
- Suits every interior

- ⊕ Guaranteed airflow 25 m³/h
- ⊕ Sound reducing 28 dB
- ① Draught-free



VENTILATION: SUPPLY/TRANSIT/EXTRACTION

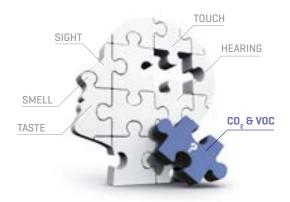


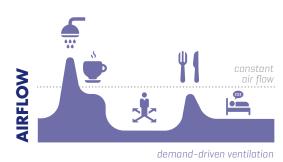
THE IMPORTANCE OF **DEMAND-CONTROLLED VENTILATION.**

Correct ventilation is required to achieve optimum indoor air quality. First it is important to extract polluted air from rooms and ensure it is replaced with fresh air.

People themselves are not able to detect changes in air quality. So we can't detect when certain concentrations of CO₂ or VOC become too high. We therefore can't expect the occupants of a house to assess how much ventilation is required to achieve a healthy indoor air quality.

That is why it is important for the level of ventilation to be adapted automatically to the ventilation needs. The ventilation level can be automatically adapted to anticipate the different phases of the day using integrated, intelligent sensors in the central demand-controlled ventilation unit. This automatic adaptation saves 30 to 50% of energy as compared with a permanent ventilation flow.





DEMAND-CONTROLLED MECHANICAL VENTILATION

SYSTEM C+EVO - HEALTHBOX®

Demand-controlled ventilation

The Healthbox® screens air quality for $\mathrm{CO_2}$ or moisture and/or VOC [fragrance] 24 hours a day in every wet room. The extraction flow is fully automatic depending on the measured air quality using a demand-controlled process. If the air in a wet room is still of good quality, then the extraction in that room is reduced, ensuring maximum energy savings. The Healthbox® is standard equipped with 6 connections, while the Healthbox® SmartZone has 8 connections.

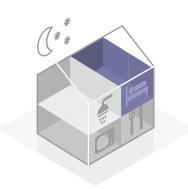
Thanks to the automatic commissioning system, manual setting of the ventilation system belongs to the past.



SmartZone technology

Up to 8 rooms can be connected using the Healthbox $^{\circ}$ SmartZone. This means that bedrooms can also be ventilated alongside wet rooms, resulting in an even better air quality in the bedrooms. Optimum air quality with a low CO_2 -concentration guarantees a healthy night's rest.





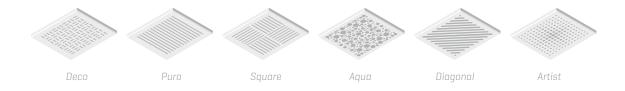
Ventilation channels

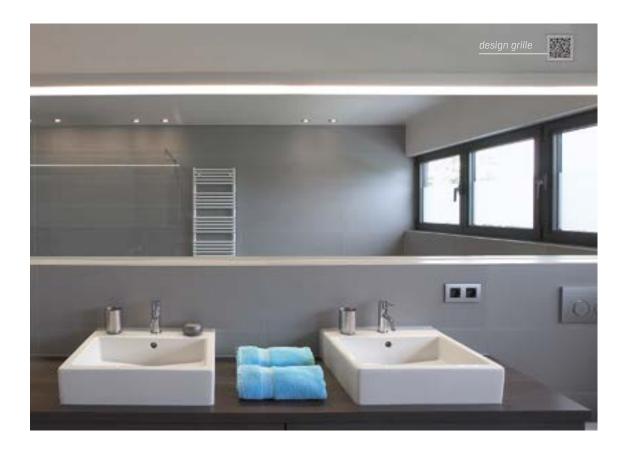


Flexible PE channels

ALUMINIUM DESIGN GRILLES FOR EXTRACTION

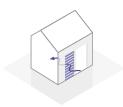
These aluminium design grilles have been developed for installation in or on the ceiling (or wall), for plasters, plasterboards or MDF surfaces. These grilles are available in RAL 9010 matt (white) as standard but can be recoated in other colours. With a choice of 6 different designs, they can be combined to suit every style of decoration. The grilles come with a connection for a diameter of 80 or 125 mm. Design grilles have no damper control blades and are therefore noiseless; the central ventilation unit is responsible for regulation. The design grilles can therefore always be perfectly cleaned without disrupting the ventilation system.







VENTILATION: VENTILATIVE COOLING



WHY CHOOSE VENTILATIVE COOLING?

Ventilative cooling, also known as "nightcooling," is the principle where cooler outside air is used to naturally cool down the house.

With ventilative cooling, large natural air flows are conducted into the house via louvres. This air circulation extracts warm air thus cooling the house. The night coolness is stored in thermal mass of the house and is released during the day, creating a pleasant indoor climate. And this is all completely free of charge. To use nightcooling in a house, one or more louvres are located outside the window. Ventilative cooling requires high airflows.

That is the reason for selecting louvres with a large air throughput, which also ventilate reliably. The louvres are water and insect proof thanks to the design of the blades and integrated insect screen. This allows the windows to be open at night in order to cool the room. In new buildings, nightcooling is built into the design of the house. In existing houses a louvre can simply be installed in front of each opening window.



Louvre type 431 This built-in louvre ensures



Louvre type 432 To ensure increased light inflow in winter, and for temporary removal, the RENSON® louvre is simply removable. The louvre is fixed from the inside to ensure risk-free ventilation.



Louvre type 431 WK2 For extra secure ventilation, a burglar proof louvre is used for ventilative

WHY SUN CONTROL?

To save energy is one of the key challenges in new construction and renovation. Windows play a vital role in this process.

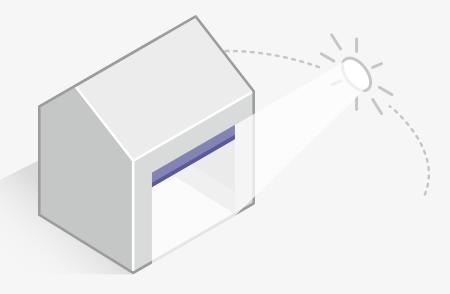
COMFORT TAILORED TO EACH SEASON

Large glass panels are frequently chosen in contemporary architecture. Today's high-performance glazing ensures good insulation and plenty of natural daylight guarantees optimal energy consumption and increased comfort in the home. Artificial, energy-intensive light does not suit pleasant, bright living spaces. During the winter months, a low sun also ensures pleasant warmth in the house, which means there is less need to use heating.

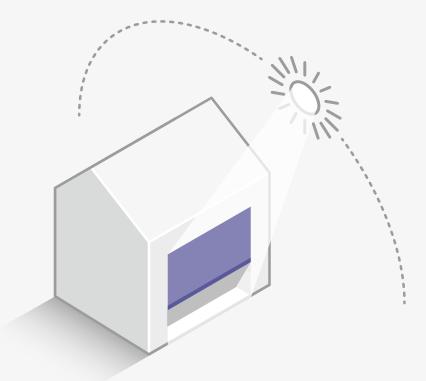
Everyone knows, however, that the sun can also influence the indoor climate less positively. Excessive sunlight can cause overheating, disruptive reflections on screens and discoloration of the furniture and decor.

An efficient outdoor blind - sun control blades for the frame, brise-soleil above the window, sliding panels and wind-resistant screens - enables the occupants to enjoy the sun at any time of the day. These systems stop the sun rays from heating the indoor air, without disturbing the view of the garden.

"Outside sun control, guaranteeing comfort at 3 levels: thermal comfort, visual comfort and aesthetic comfort."



WinterWhen there is a low-lying sun it is important to maximise solar gains [warmth and light] to increase comfort and limit energy loss.



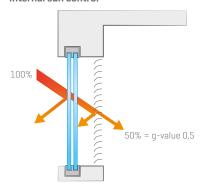
When the sun is high in the sky it is necessary to limit solar gains using an efficient outdoor blind. The application of screens and awnings avoids energy-wasting cooling and limits disruptive reflections without losing the view of the garden.



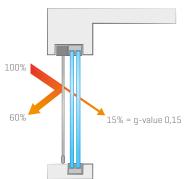
SUN CONTROL: EXTERNAL BLINDS



Internal sun control



Internal sun control



WHY CHOOSE EXTERNAL BLINDS?

Design

RENSON® emphasis on design. With a large range of colours for the fabric and aluminium components, discrete integration into the façade and wrinkle-free fabric, the external blind is seamlessly integrated into your home. Dimensions up to 6m width or 6m height are possible (up to 22m²).

Comfort

External blinds not only ensure a comfortable indoor climate, they also prevent annoying reflections or glare, without disturbing the view of outside. The external blind can be fully automated for maximum comfort. This enables you to maintain an optimal temperature even when you're not at home.

Sustainability

Thanks to the Fixscreen® technology, external blinds can be operated even with superior wind resistance up to 130 km/h, which corresponds to a hurricane of 12 Beaufort.

Wind tunnel test:



30 km/h



Fixscreen® at 130 km/h

FIXSCREEN® TECHNOLOGY

Fixscreen® from RENSON® was the first truly wind-resistant blind in the world. Thanks to the ingenious zip system, Fixscreen® technology, the screen remains wind-resistant in every position and it is also insect-proof when closed. The principle is simple: the external blind is equipped with a special side guide channel with symmetrical zips. This keeps the whole unit fixed firmly on both sides.

The Fixscreen® is equipped with several patented technologies:



Connect&Go®

The unique $Connect \& Go^*$ plug ensures simple connection of the motor to the current. The empty case is assembled first, followed by the fabric tube. It is ideal for fast installation of heavy cases [large dimensions]; it is also easy to replace the fabric [e.g. with other colour] or motor [e.g. switching a home automation system].



Smooth technology

Smooth technology is the updated conducting system that ensures even better wind resistance and extremely smooth functioning.



Click&Safe®

In case of hidden installation, *Click&Safe*® ensures safe installation of the fabric roll. When installing, simply click the fabric roll into the case allowing the installer to keep his hands free to complete the installation safely.



II-Safe®

U-Safe° is a switch enabling you to interrupt the current without having to detach cables. The installer can then work safely on the external blind and reprogram the screens in no time. In case of automated screens, the windows can be cleaned in this way safely without the risk of damage.

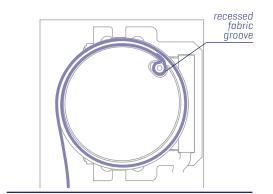
The headbox

The headbox profile is made of extruded aluminium profiles.



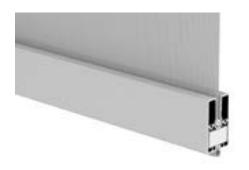
The fabric roll

The roller tube is equipped with a patented, unique recessed fabric groove to limit compression of the fabric strip on the screen.



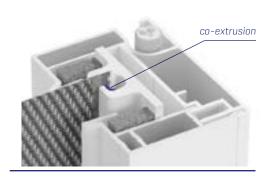
The bottom bar

The extruded aluminium bottom bar is weighted with galvanised steel to achieve optimum performance and fabric tension. For perfect sealing, the base bar is equipped with a plastic blackout strip.



Side channel including zip system

Side channels are made of extruded aluminium. No visible screws at the front. The intelligent wind-proof zip guide features a patented wear-resistant layer based on co-extrusion. This guarantees extremely smooth, windproof functioning.





5 years guarantee on all faults normal use and maintenance



7 years guarantee on Fixscreen® technology



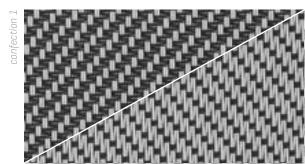
10 years guarantee on the paintwork of aluminium components

- Extremely wind-proof screen
- Privacy
- Light control
- Heat and energy control
- ① Insect repellent
- ⊕ Silent operation
- Simple operation
- ⊕ Simple maintenance
- Simple assembly
- ① Large dimensions (up to 22m²)
- ① Connectable
- ① Unspoilt outside view



SUN CONTROL FABRIC TYPOLOGY

External blinds use technical textiles which keep out the excessive heat and the bright light of the sun. An outside canvas screen reduces the effect of overheating. The warm sun rays are stopped before they reach the glass. Beside this functional role, the fabric also fulfills a decorative role. Colour determines the heat transmission, the filtering of light, protection against UV rays and the colour of light.



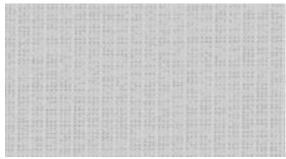


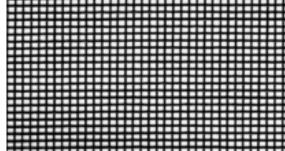
Fibreglass fabric

This fabric screen is made of fibreglass threads with a PVC coating. A fibreglass fabric is rigid, impervious to moist, heat and rot, and colourfast. Fibreglass fabric has 2 sides: confection 1 and confection 2. Both can be used as outside visibility of the screen fabric.

Soltis Polyster fabric

This type of fabric is made of a finely woven mesh equipped with a PVC coating (fire classification M1) according to the précontraint method. This produces an extremely stable and non-deformable fabric with a long service life.





Light-block

Light-block is a fully darkening polyester fabric Soltis (B92). This is a fine polyester mesh fabric with a fire-resistant PVC coating (fire classification M2) produced according to the précontraint method. The back is also equipped with a blackout coating.

Insect screen

In the case of products with Fixscreen® technology, it is possible to use insect screen [Mesh 18x16].



FIXSCREEN® MONO AKEVO

Acoustic comfort

The Fixscreen® Mono AKEVO ensures increased acoustic comfort thanks to sound reduction of at least 47 dB. This screen can be used on aluminium, wood, and PVC frames of depths from 50 up to and including 215mm.

Fixvent® 6 Fixscreen® Mono AKEVO are two new screen concepts, each with its own specific characteristics, nevertheless combining simply in the same living space with a single look and feel.

Fixscreen® Mono AK^{EVO}



Fixvent® Mono AK^{EVO}



- External blinds
- High level of acoustic and thermal comfort
- ① Connectable up to 21 m² [with 1 or 2 motors]
- Simple replacement of fabric (click & safe)
- With a single touch of the buttons the house darkens (with Lightblock)
- ⊕ Insect and windproof to 130 km/h
- Hidden installation of the case

FIXSCREEN® HIDDEN INSTALLATION

Invisible, discrete installation

With installation method 7 [MS7] the fabric roll is accessible for installation and maintenance from underneath. With this method it is possible to fully conceal the case in the cavity. This installation method is the perfect solution for low-energy homes and passive houses, since there is no need to penetrate the outer shell of the house.

- For all window types: aluminium, wood, PVC
- For new builds/private house construction and projects

The slim version enables the blinds to be integrated in an even narrower cavity (case of 110mm). An additional benefit is the fully retractable (<2700mm) or partly retractable (<2700mm) base bar. Thus the base bar disappears fully or partially invisible in case.





- Fabric roller removable from outside and below
- (Hidden installation
- Ideal for low-energy houses
- ① Insect repellent
- Ideal for extension by integration into the passage
- $\ \, \oplus \ \, \text{Conservation of privacy}$
- ⊕ Up to 22m²

PANOVISTA® FOR GLASS TO GLASS CORNER WINDOWS

Sun control for glass to glass corner windows

This new development is ideal for applications with glass to glass corner windows, where conventional screens fail to provide a design solution. The Panovista® is a external blind for corner windows, without the need for unpleasant aluminium profiles or cables permanently visible in the corner. Both sides of the system are simultaneously rolled up or down, and as

such provide the desired shade for a living or working space, without losing the view of the panorama around the building. This solution is almost invisibly integrated into the architecture of the building. The box and side channels can be aesthetically hidden away and even the bottom bar disappears into the box once the screen is fully rolled up.



* Wind load after RENSON® specifications

- Both sides of this corner screen move simultaneously
- Hidden installation
- ① No vertical side channels in the corner
- Conservation of privacy
- ① For new build and renovation

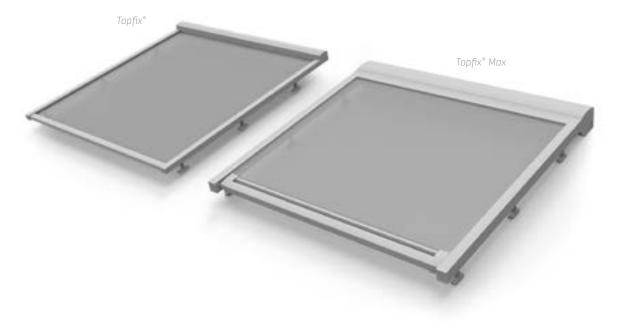


TOPFIX® & TOPFIX® MAX

This external blind prevents all horizontal or inclined glazing (conservatories, skylights etc.) from heating up. Topfix® is a motoroperated blind equipped with a revolutionary span system in combination with renowned Fixscreen® technology. This makes it possible to achieve unprecedented tensioning of the fabric, without the need for traditional fabric rolls. Thanks to the discrete design, Topfix® blends in perfectly with your home.

Topfix® Max offers the choice between top-bottom or bottom-top installation. Full blackout is also achievable with indoor and outdoor applications. For the Topfix® Max, widths up to 5m and extremely large surfaces up to 30m² are possible.

The Topfix® VMS features a revolutionary tension technique, made possible by the renowned Fixscreen® technology and has been specifically developed for the VELUX® Modular Skylights modules. The Topfix® VMS can be used with both the fixed and movable modules e.g. with special mounting feet, enabling a perfect installation onto the VELUX® Modular Skylights. **VELUX**°



- ① Guaranteed at wind speeds up to 120 km/h
- ① Perfect fabric tension without fabric support rollers
- ① Compact headbox dimensions
- ⊕ Topfix® Max up to 30m² per module



SUN CONTROL: STRUCTURAL SUN CONTROL



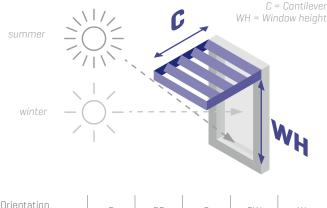
HORIZONTAL STRUCTURAL ALUMINIUM SUN CONTROL

Horizontal shading offers the ideal solution for managing heat entry through sunlight, without impeding the view. Applied especially above window frames in south-facing windows.

During summer, when the sun is high, horizontal external blinds offer ideal protection. During winter, when the sun is low, they let heat into the building.

Recommended overhang of the brise-

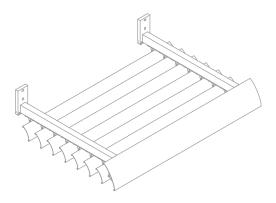
To achieve optimal results with the canopy it is important that the cantilever is properly tuned to the situation. The orientation of the façade and the height of the window shade are crucial elements. The dimensions of the cantilever recommended by RENSON® in the table to the right, is calculated to ensure 75% of total warmth radiation is kept out during the summer by the cantilever.



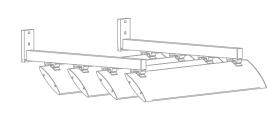
Orientation of the façade	E	SE	S	SW	W
Recommended cantilever C	1.0 x WH	0.7 x WH	0.4 x WH	0.7 x WH	1.0 x WH

Programme available for specific calculations

Sunclips® (SE.096)



Icarus® (ICA.125)



VERTICAL STRUCTURAL ALUMINIUM SUN CONTROL

Where disturbing light should be avoided during the whole year in addition to overheating during summer, vertical sun control provides the best solution. In places where visibility is of minor importance, you can opt for a fixed version. The degree of transparency is determined by the type of product used.

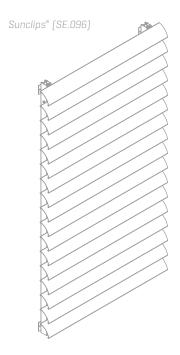
Fixed design

This can be achieved in 2 ways:

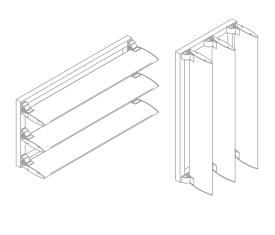
- Cassette: the blades are screwed between individual or shared mullions and attached to the building with the mullions fixed to the building structure. Whether or not under a certain angle of inclination.
- 2. Quickfix*: the patented Quickfix* system allows rapid and simple installation of blades to be clipped into blade supports. This concept makes it possible to work in a single line without disturbing connection elements. It also allows a controlled and smooth dilation of the blades without creating tensions on the supporting structure and underlying façade.

Movable design

In many situations, the combination of requirements in terms of shading, light and transparency do not allow the selection of a fixed brise-soleil structure. In these cases several movable systems are possible, such as a brise-soleil with movable blades. Such shading is fully controllable and thus enables the windows to be fully shielded of the glare of the sun. When the sun is high in the sky or on cloudy days, the sun control can be opened, allowing good visibility again. Closed position allows complete discretion.









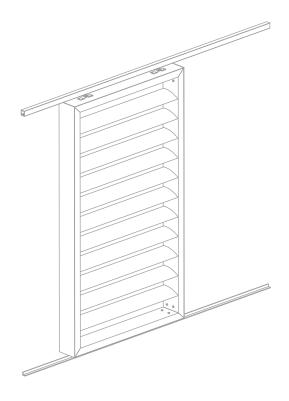
LOGGIA®

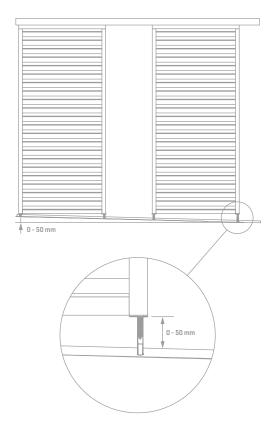
The Loggia® sliding panels combine functionality of an efficient external blind panel with the elegant look and aesthetic design within a high-quality and contemporary concept. The occupant can alter the light in the rooms by moving the panels [= dynamic sun control].

The Loggia® panels are constructed from aluminium frames with screens, aluminium or wood blades. Loggia® Privacy is an option that allows to control the horizontal blades of the panels to control sun light and discretion. Loggia® Privacy exists with wooden or aluminium blades.

BENEFITS

- Multipurpose façade elements
- + For simple and flexible use
- Aesthetic quality finish





FLEXGUIDE®

Flexguide® is a self-regulating under-guide which adapts under feather tension to unevenness such as slopes, building tolerance, thermal dilatation etc. It makes filling in the under-guide profile on slopes [up to 50mm] redundant.

The under-guide profile must simply be fixed onto the base. The Flexguide® spring pin must always remain in contact with the under guide profile, also on sloping or not completely flat surfaces or if the dimensions change as a result of e.g. temporary loads or thermal dilatation.

- \oplus Height deviations up to 50mm
- Discrete installation
- Maintenance free

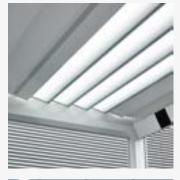


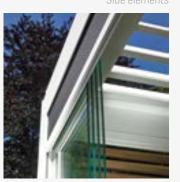


TERRACE COVERINGS



Whatever the weather, we like to spend as much time as possible outside. Our gardens are no longer separate from our houses. Together they are one. That is why we long for more atmosphere, comfort and optimum lifestyle pleasure. Being outside becomes living outside!











Audio and heating

Who wants to live outside has to consider nature's elements. If the sun becomes too hot, it starts to rain, or the wind suddenly blows harder, we have to run inside. Or don't we? Terrace coverings are the solution. Available in all colours, adapted to the style of the house, free-standing or fixed to the house or an existing (roof) structure.

These comfortable outside spaces ensure a good atmosphere, but also warmth and cosiness. When it gets darker at night, simply switch on the integrated lighting. Even if it gets colder, you can still stay comfortably outside. Depending on the size of the terrace covering, one or more heating elements can be included. You can even play your favourite music on the terrace thanks to the incorporated flat panel speakers.

5 TYPES OF TERRACE COVERINGS

Terrace coverings from RENSON® have been designed with a specific focus on contemporary design, quality and sustainability. There are five different terrace coverings in the RENSON® product range.

CAMARGUE®

Terrace covering with blinds and water-resistant roof made of movable blades; the sides can be fully closed using wind-proof integrated blinds or sliding panels.



ALGARVE®

These terrace coverings offer the perfect solution as a sun control thanks to their movable aluminium blades. The Algarve® has a minimalist look with sleek design and clean lines.



ALGARVE® ROOF

A trendy and functional solution to incorporate into an existing [roof] construction.



LAGUNE®

Terrace covering with watertight wind-proof blind in the roof structure; sides can be fully closed using wind-proof blinds or sliding panels. It is fitted to an existing façade.



LAPURE®

The stylish, minimalist Lapure® consists of a sun and water protection screen roof resting on elegant, discrete aluminium columns. It is fitted to an existing façade.







FAÇADE & INDOOR



RENSON® also thinks about the durable aesthetic finish of the façade and indoor. We include architectural cladding of the façade, which makes a house really stand out in the street. The ventilation and sun control, on the other hand, are hardly noticeable inside. And thanks to the invisible door systems, we perfectly anticipate recent developments in minimalistic and pure architecture in contemporary homes.

Aluminium blades add a unique and pure look to the outdoor façade of your home. The Linius* wall-mounted blade system ensures continuous façades with clean lines into which even the doors and garage doors can be integrated. Available in all possible RAL colours, adapted to the joinery of the façade. Even if the façade stands out, interiors are increasingly have a clean and sober design.

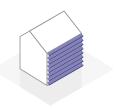
The inconspicuous integration of ventilation and blinds also follows this pattern. That is why ventilation ventilators have evolved the last years from large block-systems on the glass to discrete flap gratings, such as the Invisivent *EVO, which are positioned almost invisibly on the window profile.

RENSON® also considers the uniformity of its systems allowing the design of the ventilation and sun control system to be perfectly coordinated.

'Discrete interior doors' - the trend for a timeless interior with a consistent minimalist design. The invisible door system perfectly anticipates this recent development. Thanks to this system, the door blends into the wall, without disturbing frames and hinges.

The Invisidoor® is an invisible aluminium frame for interior doors, which can be painted to match walls perfectly and is equipped with a magnetic lock, detachable acoustic seal as a door buffer, and invisible 3D-adjustable hinges of argenta®. Thanks to these hinges, the outside cylinder of the door, usually seen on the outside of the door, is no longer visible.

FAÇADE COATING





LINIUS®

The Linius® continuous louvre system can be used to finish façades or façade components into a continuous unit with a strong horizontal or vertical accent. Gates and doors can also be covered with the same blades to produce uniformity. The continuous louvre system consists of individual aluminium profiles available in different versions. There is a choice of several sizes and shapes depending on the application; fully closed or ventilating louvre systems are available. Linius® is also suitable for interior use thanks to its high quality finish.

MAILBOXES

Albo, part of the RENSON® group, has been producing stylish and timeless aluminium mailboxes to the highest quality standards since 1961. These products have already been valued for several generations thanks to their high level quality. New design mail boxes are also available with LED lighting and space for parcels.









INDOOR: INVISIBLE DOOR SOLUTIONS



argenta® opening doors

Argent Alu, better known under the brand name argenta®, is part of the RENSON® group. Argent Alu is already active for over 100 years in developing and producing hinges and joints for interior doors.

More information: www.argentalu.com

ARGENTA® INVISIBLE NEO

Invisible design hinges

The argenta® invisible neo is a 3D adjustable invisible hinge that excels thanks to its timeless design and superior finish and testifies to a high level of technical ingenuity. The argenta® invisible neo stands out as the winner of the renowned Red Dot Design Award and IF Product Design Award.



BENEFITS

- Pure and high quality design
- No visible screws
- + 3 sizes: S5 - M6 - L7
- ⊕ Easy-hook: position and 3D adjustment by 1 person

ARGENTA® INVISIDOOR®

Invisible frame for interior doors

Thanks to the invisidoor®, an invisible aluminium frame for interior doors, it is possible to enjoy pure design. Thanks to the invisidoor® the door is in line with the wall, enabling you to be creative with spaces and partitions.



- \oplus Little chance of cracks \oplus Offerd in paintable in paintwork
- Wide choice of standard dimensions [made-to-mesure available)
- primer
- Also double doors, room-height doors, Rf doors...

ARGENTA® INVISIDOOR® SDX

Invisible wall fixture system

The argenta® invisidoor® SDX is a complete solution with an invisible aluminium frame for interior doors which slide into the wall. Now you can also choose the sleek design of the invisidoor range for sliding doors. Because the frame is equipped with the argenta® proslide slide-bar bracket, you can use doors up to 100kg. Can be assembled and disassembled quickly and easily using the removable upper section of the roller assemblies and stops. The fittings are fixed to the door using Manual-Fix. This creates a tiny space (up to 3mm) between the door panel and upper profile with a sleek finish result.

BENEFITS

- **① Complete solution**
- ① Doors up to 45mm and 100kg
- ① Invisible and stable profile ① Quick and simple assembly
- (Removable upper rail
- Minimum play of 3mm

ARGENTA® PIVOTICA®

Minimalistic and invisible pivot system

Thanks to its compact dimensions the pivotica® is not only simple to install in the door, but this pivot system can also be used to adapt it to room-height doors. You can even choose where the door is hinged (minimum of 40 mm from the side edge of the door). This allows you for example to rotate wide doors in the middle and the pivotica® is suitable for both left and right doors. Thanks to the argenta® pivotica® it can be used creatively in different shaped spaces and walls because no frame is required for this pivot system, which means you can position it perfectly flat against the wall. All components of this system are rustproof. The pivotica® is preferably used in combination with the magnotica®, a magnetic door closing system.



- **①** Invisible
- Simple assembly
- ① Suitable for floor-to-ceiling-height doors
- ⊕ Free choice of pivot
- Child-friendly



RENSON®: YOUR PARTNER IN VENTILATION, SUN PROTECTION AND OUTDOOR

RENSON®, with its headquarters in Waregem (Belgium), is a worldwide trendsetter in natural ventilation, sun control and outdoor.

Creating healthy spaces

From 1909, we've been developing energy efficient solutions assuring a healthy and comfortable indoor climate. Our headquarters - built according to the 'Healthy Building Concept' - is a beautiful example portraying our corporate mission.

No speed limit on innovation

A multidisciplinary team of more than 70 R&D employees continually optimize our products and develop new and innovative concepts.

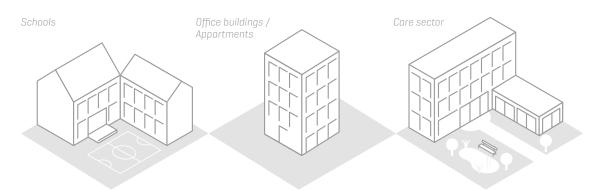
Strong in communication

Contact with the customer is of the utmost importance. A group of 70 in-the-field employees worldwide and a powerful international distribution network are ready to advise you on site. EXIT 5 at Waregem gives you the possibility to experience our products on your own and provides necessary training for installers.

A reliable partner in business

We can guarantee our customers optimal quality and service thanks to our environmentally friendly and modern production sites (with automated powder coating line, anodisation line, uPVC injection molding machinery and mold making shop) covering an area of 95.000 m².

Discover our solutions for:







RENSON® Fabrications LTD Fairfax Units 1-5 Bircholt Road Parkwood Industrial Estate Maidstone Kent ME15 9SF Tel. 01622/754123 Fax 01622/689478 info@rensonuk.net www.renson.eu

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