

Always a great
feeling.

With WAREMA sun shading systems.



Sun shading for
conservatories

Der SonnenLichtManager



WAREMA sun shading systems for conservatories



Due to their rooms flooded with light, conservatories create a fluent transition from the living area to nature. Thus living space is enlarged towards the outside creating free space inside. However, conservatories with large glass surfaces require special sun protection. The WAREMA product portfolio offers customised solutions for improved comfort and quality of life in your conservatory.



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- Fabric qualities
- Colours
- Control systems





The right products
for your dream house

We develop and produce modern and functional sun shading system solutions which enable an active SunLightManagement. We rely very consciously on the strengths of a family-owned company based in Germany. As a full-range provider we deliver expert solutions from a single source the quality of which you can rely on. Our actions and approach are consistently geared towards increasing customer benefit. To this end we now offer a growing range of products and performances tailored to your requirements.



Especially our varied and innovative product developments of experienced experts, our high quality standard, the individually manufactured products and the extensive services are essential for our position as leading SunLight Manager.

The most modern manufacturing technique and handwork are equally important for our manufacturing of the sun shading control systems depending on order, whereas the aspects sustainability and protection of the resources are taken into consideration for all processes. Apart from first-class products we offer a comprehensive range of services our expert partners which supports their daily work.

We offer various possibilities for external heat protection, internal glare control and control systems to contractors – from the choice from our wide range of products through to individual special solutions. We can guarantee complete professional advice and comprehensive information about our products that take into account current energy saving regulations and recent developments in standards for the building sector.



Sun protection from A to Z

Unattractive and boring purpose-built buildings are a thing of the past – continuous glazed facades and special shapes have become a staple of modern architecture. The desire for individual style is constantly growing. This new diversity also demands a similar diversity of sun shading systems. WAREMA offers an individual and perfect solution for every architectural style – both indoors and outdoors.



External venetian blinds

Venetian blind facade systems, metal system venetian blinds, venetian blind window systems, front-mounted external venetian blinds, top-mounted external venetian blinds for new buildings, asymmetrical external venetian blinds, wind-stable external venetian blinds, daylight guiding venetian blinds

Roller shutters

Front-mounted roller shutters, top-mounted roller shutters, top-mounted roller shutters for new buildings, renovation roller shutters, asymmetrical roller shutters, security roller shutters



Large slats

Single-walled slat systems, hollow slat systems, large slat systems

Internal sun shading systems

Venetian blinds, vertical louvre blinds, roller blinds, pleated blinds, panel curtains, sun protection for skylights



Patio awnings

Articulated arm awnings, cassette awnings, conservatory awnings, patio side screens, canopy awnings, horizontal awnings

Pergola awnings and patio roofs



Window awnings

Window awnings with ZIP guidance, vertical awnings, facade awnings, drop-arm awnings, markisolettes

Sun sail



Insect screens

Fixed frames, swivel frames, sash frames, roller blinds, insect screen pleated blinds, light well covers

Black-out blinds

Vertical black-out blinds, horizontal black-out blinds, ZIP black-out blinds

Control systems

Radio systems, central control systems, WAREMA climatronic® 2.0, sensors, KNX technology, LonWorks® technology, BAline

WAREMA OPTI SYSTEM

Room climate intelligently controlled



Optimal sun shading systems and significant energy savings are interesting aspects for any home owner today. The WAREMA OPTI SYSTEM provides the ideal room temperature – pleasantly cool in summer and cosily warm in winter. Fully automatic with maximum comfort. With existing heat protection glazing, the combination of external adjustable sun shading systems, internal glare control and intelligent control saves up to 40 percent of energy costs.

Further information can be found at www.warema.com/optisystem

External sun shading systems

External WAREMA sun shading systems reduce solar incidence of energy. Incidence of light is optimised to allow for sufficient daylight utilisation without glare. The concept is simple: Depending on time of day or year more or less sunlight is allowed in and the system uses more or less of the possible solar energy gain.



Internal sun shading systems

The internal WAREMA product provides additional glare control all year round, providing comfort and a high level of convenience. Visual privacy or view out can be individually adjusted. High-grade materials and a varied colour palette provide each room with an individual style.

Intelligent control system

WAREMA control systems create the ideal room climate with optimum daylight utilisation. They make use of solar energy according to demand and around the clock.

Summer daytime

Solar incidence of energy has to be kept low on a hot summer day. Incidence of light should be high enough to allow for sufficient daylight utilisation without glare. Additional internal glare control can be used where requirements are especially high.



Summer nights

At the end of a hot summer day the building will have heated up. At night the control raises all existing sun shading system components which block the heat flow from the inside to the outside. This supports the building cooling down.



Winter daytime

Solar energy gains should be used on a cold winter day. When the sun is low the requirements for glare control are especially high. Only internal glare control with low transmission is used. Dark colours ensure that a large quantity of solar energy can be used.



Winter night time

During the cold winter night the building has to be protected from heat loss. This requires all sun shading products to be lowered. The resulting air pockets between the individual components improve heat insulation.





Increase energy efficiency – with WAREMA sun shading system

Increasing quality of life, saving energy and lowering CO₂ emissions: Modern sun shading systems offer huge potential for protecting the climate and using fossil fuels economically: When used consequently, an intelligently controlled sun protection saves energy for cooling, heating and artificial lighting.

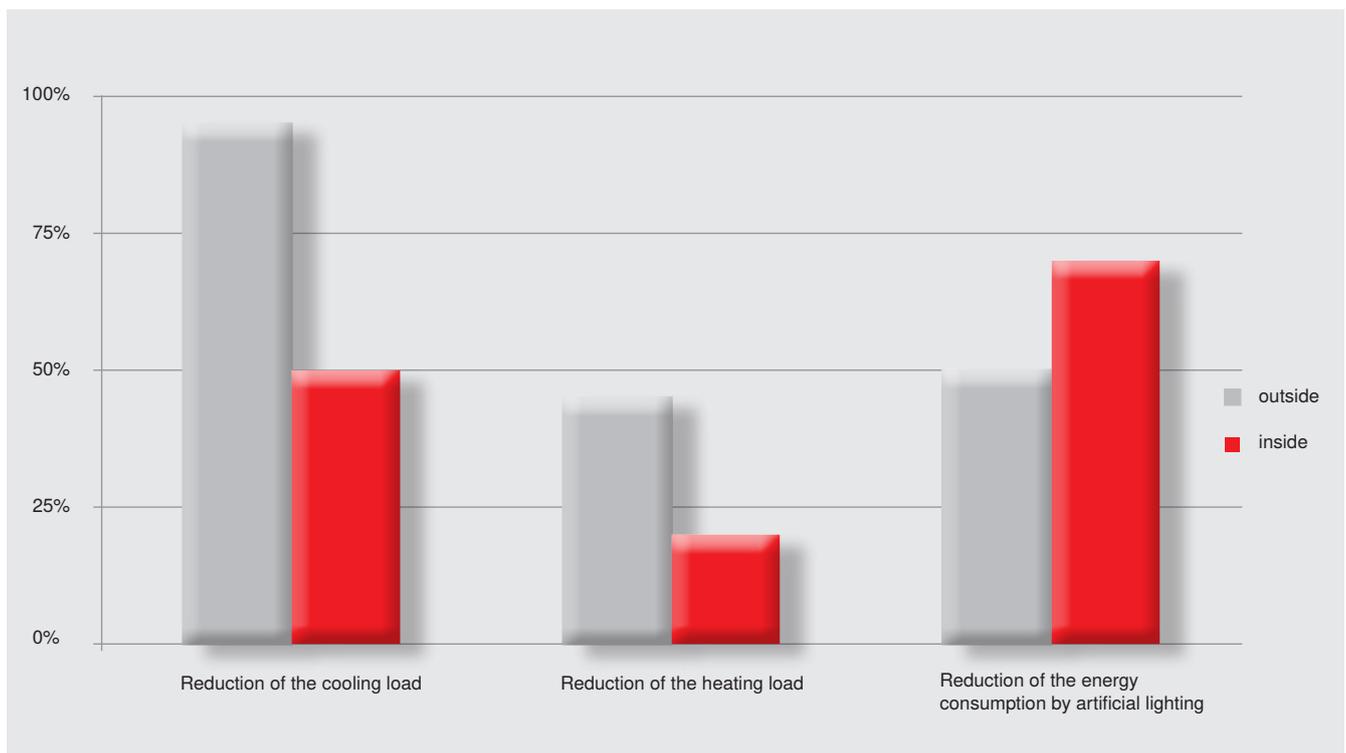
Energy savings with technical sun shading system

Around 40 % of the energy requirement of a European home is used for lighting, heating, cooling and ventilation - half of it for heating alone! According to a study by the European Solar-Shading Organization (ES-SO), around 110 million tons of CO₂ could be saved in the EU alone with an efficient sun shading system in connection with an intelligent control solution. This is a key issue in terms of the energy saving regulations and its consequences for builders and home owners.



The trend towards bigger glass surfaces makes sun protection essential. On summer days the sun protection reduces the heating of the rooms and during winter nights the cooling of the rooms is reduced. The daylight can be used in such a way that artificial lighting becomes superfluous. The personal well-being is increased and the energy costs are reduced.

Energy savings with technical sun shading systems in connection with an intelligent control system



The sun can't be controlled,
but it can be managed.



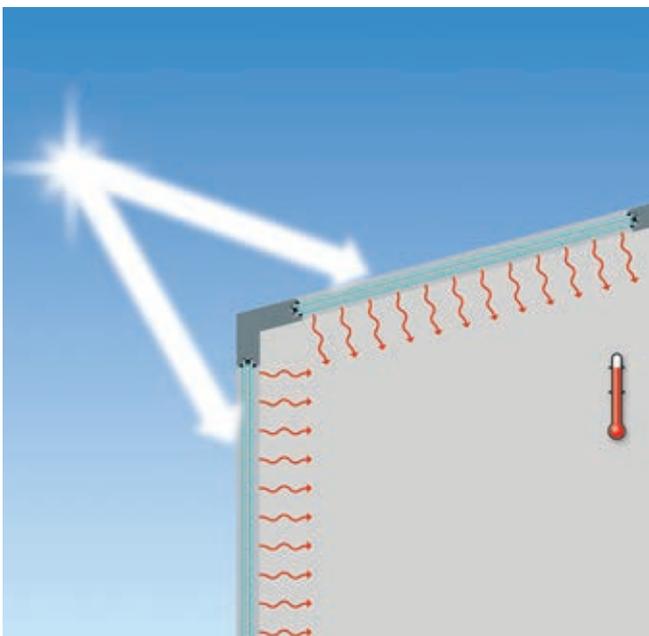
Der SonnenLichtManager

As important as sunlight is for all of us, people still need products and technologies that create a comfortable atmosphere. These days a tap of the finger is often all it takes to supply any room with just the right lighting – for a better quality of both work and life. It's a big part of what we're working on at WAREMA.

Our goal is to develop customer oriented solutions with a continuously expanding range of products featuring superior quality. As a manager, we also see it as our job to provide comprehensive advising and the fastest possible delivery while offering customised manufacturing. For us, fair cooperation at every level of the business relationship is a fundamental part of the process.

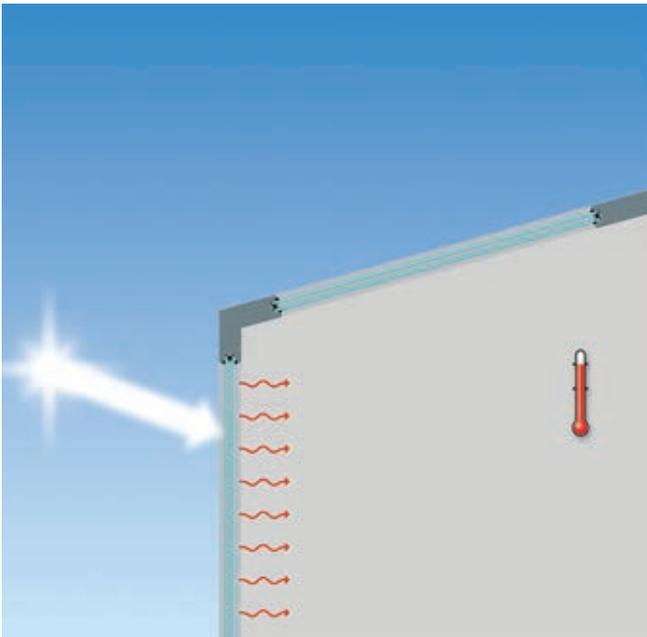
Applications

Sun shading system at conservatories



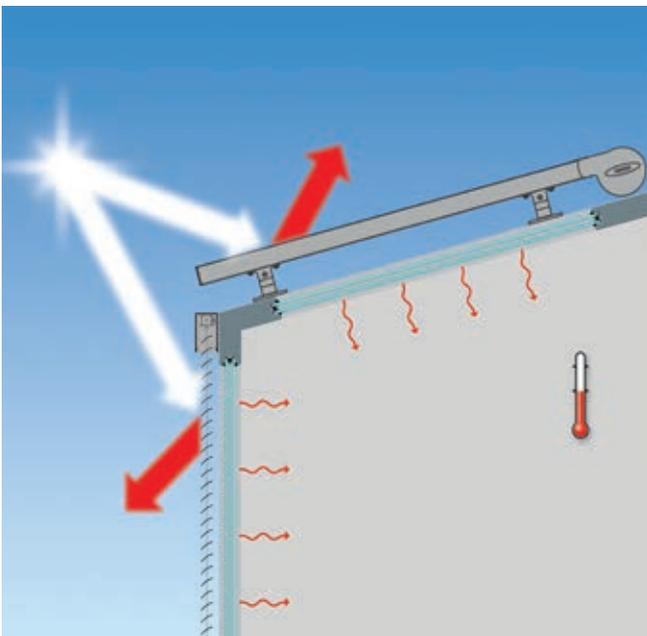
In summer

- The sunrays enter the room through the big glass surfaces of the conservatory
- The "greenhouse effect" leads to a heat accumulation which results in an unpleasant room climate



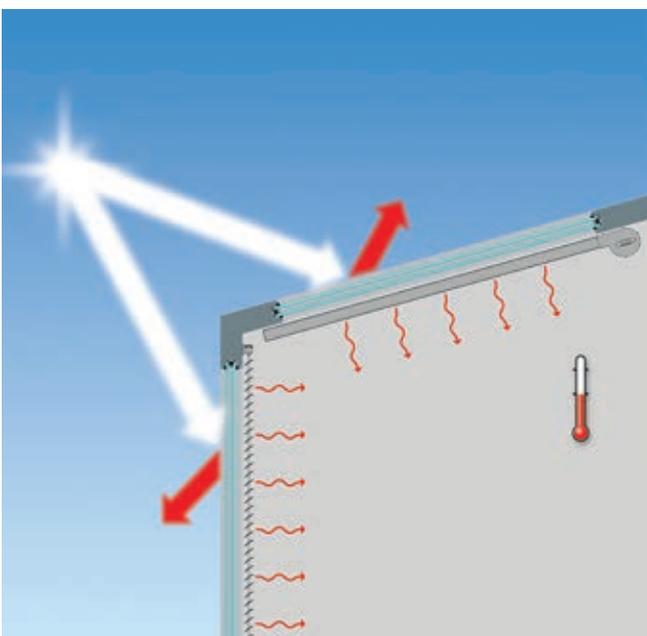
In winter

- In winter the solar incidence of energy can be used for heating up the conservatory thanks to the big glass surfaces
- The incoming sun supports the heating up of the rooms and thus saves energy



External sun shading

- By means of the external sun shading system 70 to 95 % of the sunrays hitting the glazing are prevented from entering into the inside of the room
- This reduced the heating up of the room by this percentage



Internal sun shading

- 15 – 50 % of the sunrays hitting the glazing are prevented from entering into the inside of the room by means of the internal sun shading system and thus create comfortable feel-good atmosphere during the day

The image shows the interior of a conservatory with a high, vaulted ceiling. The ceiling is covered with a sun shading system consisting of horizontal slats. Large windows with horizontal blinds are visible on the walls. In the foreground, a wooden dining table is set with a decorative centerpiece of a large orange candle and small golden ornaments. A wicker chair is also visible. The overall atmosphere is bright and airy.

Fields of application

Sun shading system at conservatories

Buying the WAREMA sun shading products means choosing pioneering design and innovative technology. They are the ideal prerequisite for a perfect climate in your conservatory. To this end, functional as well as aesthetic aspects are decisive for the selection of the perfect sun shading system.



Conservatory – external

Products for use in sloped areas

- Conservatory awnings

Products for use in vertical areas

- Conservatory awnings
- Window awnings
- External venetian blinds
- Roller shutters
- Insect screens



Conservatory – internal

Products for use in sloped areas

- Conservatory awnings
- Ceiling roller blinds

Products for use in vertical areas

- Ceiling roller blinds
- Venetian blinds
- Vertical louvre blinds
- Curtain panels
- Pleated blinds



Patio roofs

Available products

- Conservatory awnings
- Window awnings
- External venetian blinds

Conservatory awnings

External sun shading systems



External WAREMA conservatory awnings provide pleasant shading at large glass surfaces. Due to different types and various shading models we have the perfect solution for each requirement. Whether for sloped-vertical, slanted or curved surfaces – WAREMA conservatory awnings create a comfortable climate all year round.



► Your benefits:

- No light gap between fabric and guide rails (for type W20)
- Varied shading models through sloped vertical, sloping or curved shape
- Modular system – combination of certain conservatory awnings possible for shading triangular and trapezoid glass surfaces



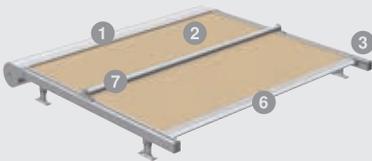
Features

- Construction limit values (depending on type):
 - max. width: 6000 mm
 - max. projection: 6000 mm
 - max. surface: 30 m²
- Drive: motor, radio motor
- Options: W6 and W8: optionally available with integrated sensor system (wind and sun sensor)

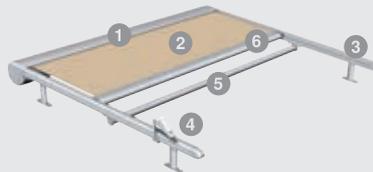
Fields of application and mounting

- Mounting external
- Conservatories, pergolas and patio roofs
- Mounting with brackets with different spacings possible
- Also for hipped or sloped conservatories

Conservatory awning W20



Conservatory awnings W6



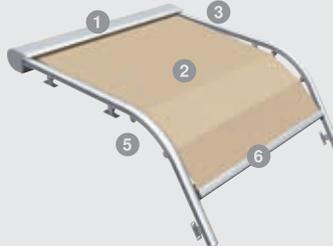
Conservatory awning W8



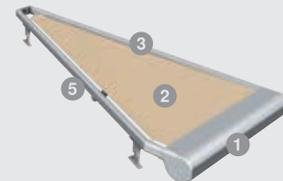
Conservatory awning W7



Conservatory awning W5



Conservatory awning D2



- | | |
|-----------------|-------------------------|
| ① Cover panel | ⑤ Guide tube |
| ② Fabric | ⑥ Front rail |
| ③ Guide | ⑦ Reinforcement profile |
| ④ Sensor system | |

Conservatory awnings

Internal sun shading systems



The WAREMA internal conservatory awnings provide optimum shading under the glazing of patio roofs, pergolas, atria or in the conservatory and ensure a relaxed atmosphere. With the innovative guide secudrive® guiding where the awning fabric is directly guided into the guide rail, no light gap can occur between the guide rail and the fabric with type W10 and W10²! Just relax in your comfortably air-conditioned place of comfort!



► Your benefits:

- Versatile design options
- Shading without light gaps between awning fabric and guide rail due to secudrive® technology (only type W10, W10²)
- Model with two cover panels and two different curtains (type W10²) for the creation of an awning as glare control and sun shading system
- Shading of big surfaces (up to 40 m²) with horizontal awnings possible



Features

- Construction limit values (depending on type):
 - max. width: 6000 mm
 - max. projection: 10000 mm
 - max. surface: 40 m²
- Drive: motor, radio motor

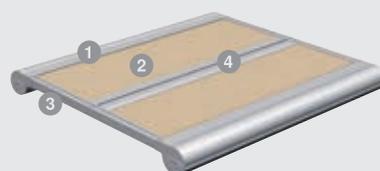
Fields of application and mounting

- Mounting internal
- Conservatories, pergolas, atria and patio roofs
- Mounting with brackets with different spacings possible

Conservatory awning W10



Conservatory awning W10²



- 1 Cover panel
- 2 Fabric
- 3 Guide
- 4 Front profile

Horizontal awnings H1/H2

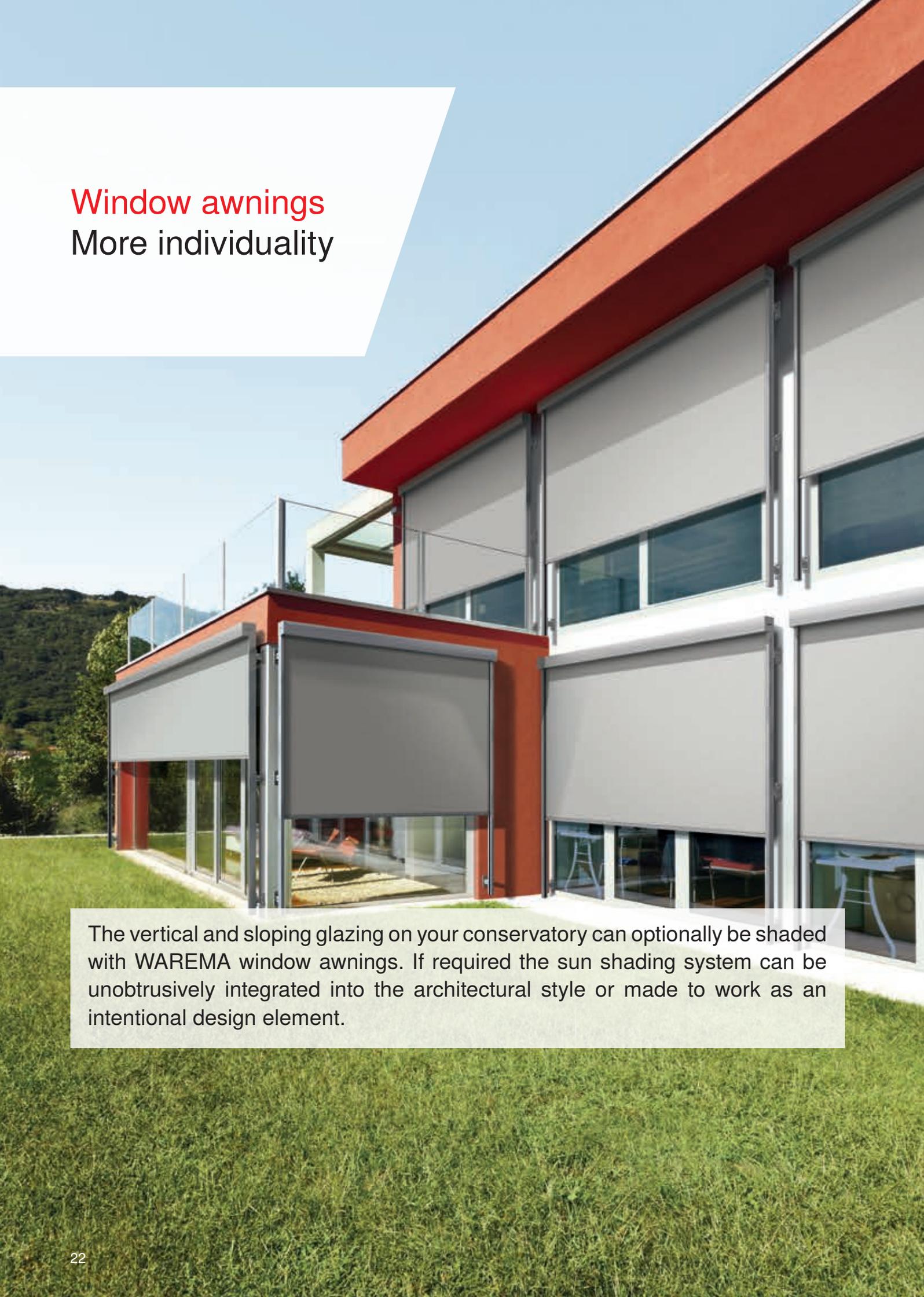


Horizontal awnings H3/H4



Window awnings

More individuality

A photograph of a modern building with large windows and awnings. The building has a prominent red horizontal band above the windows. The awnings are light-colored and are partially rolled down. The building is situated on a grassy area with a clear blue sky in the background.

The vertical and sloping glazing on your conservatory can optionally be shaded with WAREMA window awnings. If required the sun shading system can be unobtrusively integrated into the architectural style or made to work as an intentional design element.



► Your benefits:

- High wind stability up to a maximum wind speed of 24 m/s through side hem guiding over the entire length of the awning
- Provides additional insect protection when mounted directly in the soffit
- No incidence of light between guide rail and curtain



Features

- Construction limit values (depending on type):
max. width: 4000 mm
max. length: 6000 mm
bigger construction sizes on request
- Guiding: lateral using ZIP guidance
- Operation: motor, radio motor

Fields of application and mounting

- Suitable for vertical glass surfaces, windows in punched facades, conservatories and terrace roofs
- For new buildings, retrofitting and refurbishment
- With distance to the facade or window frame, alternatively with direct installation
- On the facade or in the reveal
- Embedded in plaster

Window awnings with ZIP guidance



- 1 Cover panel
- 2 Fabric shaft
- 3 Fabric
- 4 Lateral guidance
- 5 Guide rail bracket
- 6 Drop profile

External venetian blinds

Perfect sun shading

WAREMA external sun shading systems combine modern design with sturdy technology. External venetian blinds offer protection against overheating and simultaneously ensure an optimum daylight utilisation. The individually adjustable slat angles of the external venetian blinds ensure free line of sight in the garden and simultaneously protect against undesired glances. Enjoy a nice and carefree time in your conservatory!



► Your benefits:

- External venetian blinds with beaded slats for high utility with robust technology
- External venetian blinds with flat slats for delicate appearance and very low stack heights
- Metal system venetian blinds for an utmost visually appealing solution
- Asymmetrical external venetian blinds for shading sloped glazings and special solutions



Features

- Construction limit values (depending on type):
 - max. width: 5000 mm
 - max. height: 5000 mm
 - max. surface: 25 m²
- Drive: 230 V middle motor, solar, crank
- Slats: Flat/dim-out slat, beaded slat

Fields of application and mounting

- Conservatories
- Transom and mullion facades
- For new buildings, retrofitting and refurbishment

External venetian blinds with beaded slats



External venetian blinds with flat slats



Metal system venetian blinds



Asymmetrical external venetian blinds



- ① Slat
- ② Lateral guidance
- ③ Tilting tape
- ④ Steel wire cord
- ⑤ Bottom rail

Roller shutters

Safety and energy efficiency



WAREMA roller shutters are the classic among the sun shading products and convince by optimum heat insulation. In the area of conservatories they offer a practical solution especially for front-mounted roller shutters. They ensure perfect heat accumulation, serve as protection against noise, refuse curious glances and simultaneously offer an effective anti-burglary protection. Upon request roller shutters can also be equipped with integrated insect screen products.



► Your benefits:

- Effective protection against solar radiation with simultaneous protection against wind and weather
- Insulating air pocket between roller shutter curtain and window pane for effective energy saving effects
- Perfect coordination with the architecture of the house due to boxes in 4 different shapes and colours
- Easy installation and service



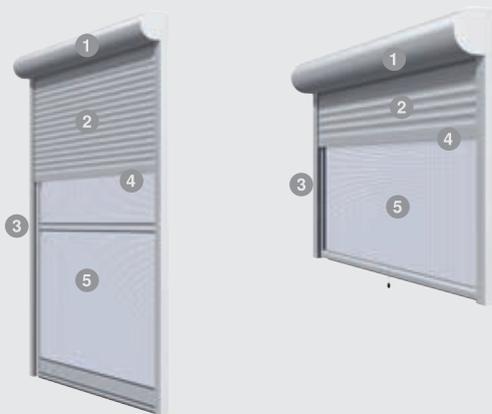
Features

- Construction limit values (depending on type):
 - max. width: 3500 mm
 - max. height: 3500 mm
 - max. surface: 10 m²
- Box shape: Rectangular, Round, Square, Plaster

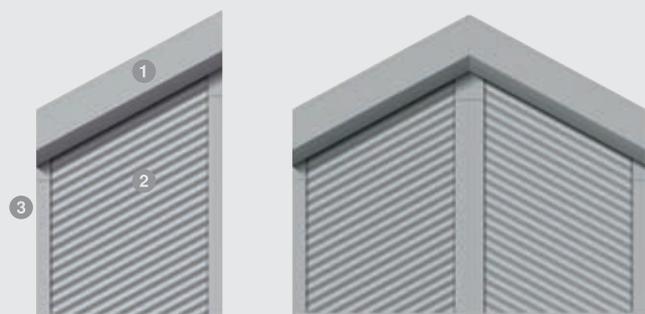
Fields of application and mounting

- Conservatories
- Glazed gables
- For new buildings, retrofitting and refurbishment

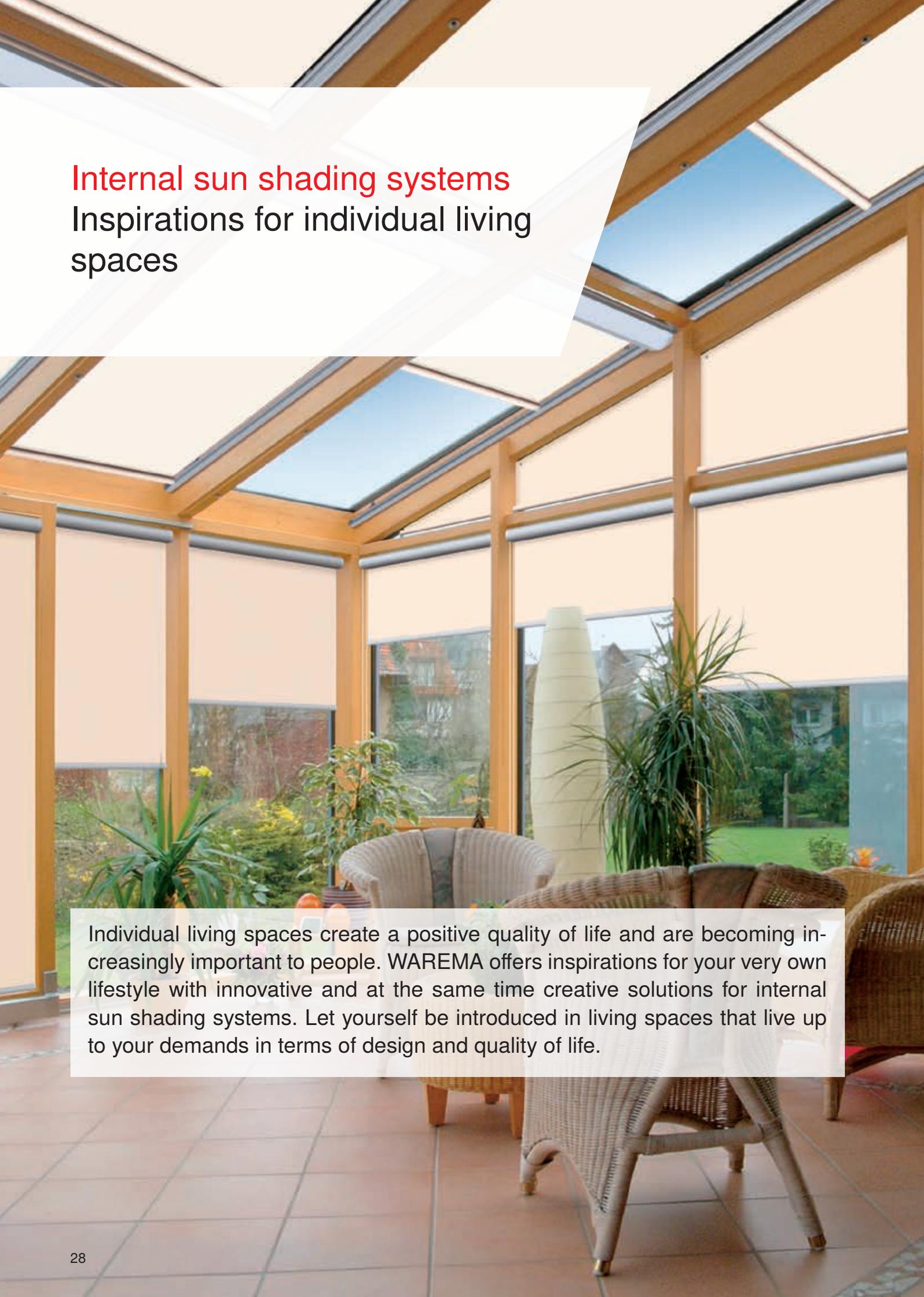
Front-mounted roller shutters upon request available with integrated insect screen roller blind or swivel frame



Asymmetrical roller shutters in different unit shapes (examples)



- ① Box
- ② Roller shutter curtain
- ③ Lateral guidance
- ④ End rail
- ⑤ Integrated insect screen



Internal sun shading systems

Inspirations for individual living spaces

Individual living spaces create a positive quality of life and are becoming increasingly important to people. WAREMA offers inspirations for your very own lifestyle with innovative and at the same time creative solutions for internal sun shading systems. Let yourself be introduced in living spaces that live up to your demands in terms of design and quality of life.



► Your benefits:

- Protection against summer heat, view out, glare control and visual privacy depending on selected curtain
- Individual design with countless colours, fabrics, samples and structure and the combination of different designs as well as different options for bunching
- Diverse product models available for each room
- Convenient locking mechanism in any curtain position
- Delicate appearance thanks to slender profiles



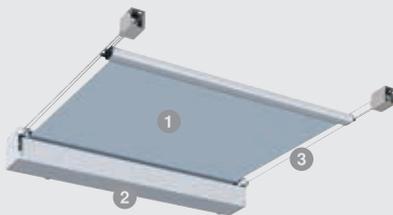
Features

- Construction limit values depending on product and type
- Operation depending on product and type

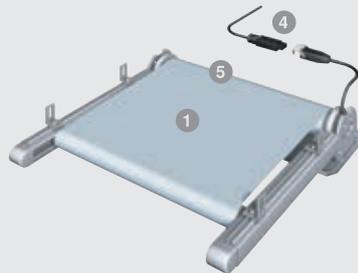
Fields of application and mounting

- Conservatories
- Indoors
- For vertical, horizontal or sloping glass surfaces

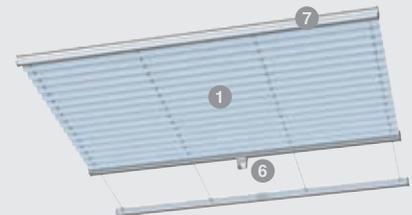
Ceiling roller blind GK.S.08



Ceiling roller blind WG.F.08



Pleated blind PB, ceiling



Vertical louvre blind



Curtain panel



- | | |
|-----------------------|-------------------|
| ① Curtain | ⑧ Slats |
| ② Cassette with drive | ⑨ Chain operation |
| ③ Cable guidance | ⑩ Curtain panel |
| ④ Plug connection | ⑪ Rod operation |
| ⑤ Fabric shaft | ⑫ Running rail |
| ⑥ Handle | |
| ⑦ Top rail | |

Insect screens

Enjoying to the full



The conservatory opens the house to nature. Whether sliding doors, doors, or windows - enlarge your comfort zone and enjoy unforgettable memories. The insect screen programme protects you effectively from undesired troublemakers. The WAREMA systems are characterised by longevity and weather-proof qualities. Enjoy elegant and stylish constructions which are effectively integrated into your conservatory and offer full protection.



► Your benefits:

- Protection against insects, bower, leaves and dirt
- With the highly transparent WAREMA VisionAir gauze the insect screen almost seems to be invisible
- Ideal for every window situation, also for skylights and special shapes
- Use of high-grade materials
- Insect screen sliding frames are perfect for big glass surfaces, as can be found on conservatories



Features

- Construction limit values (depending on product and type):
 - max. width: 2100 mm
 - max. height: 3000 mm
 - max. surface: 6 m²
- Curtain: Gauze available in different models:

Fields of application and mounting

- Doors to conservatories, patios, balconies or glazed facade sections
- Vertical windows and doors
- Custom shape windows

Fixed frames



Swivel frames



Sash frame



Insect screen roller blind



- ① Gauze
- ② Frame profile
- ③ Bar with integrated handle rail
- ④ Running rail
- ⑤ Cassette
- ⑥ Handle rail

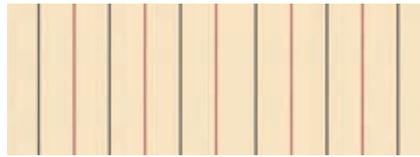
Fabric quality
for conservatory, horizontal
and window awnings.

WAREMA awning fabrics unite first-class design and function down to the smallest detail. WAREMA awning fabrics are characterised by perfect protection against the sun, reliable repelling of dirt and water and different fabric qualities. Each collection offers a wide range of materials and colours for every field of application.



Acrylic Lumera

- CBA fibre (Clean Brilliant Acrylic)
- Smoother surfaces, rich colours, long lasting luminosity, high tear resistance
- Improved dirt repellency



Acrylic Standard

- 100% brand acrylic fabric
- Spinning nozzle dyed, light-fast, weatherproof and tear-resistant
- Dirt-repellent, rot-proof, air permeable and water-repellent through impregnation



Finish/connecting seams

- Impregnation perfectly protects the fabrics from soiling
- All WAREMA fabrics are tested according to the "Oeko-Tex Standard 100"
- Connecting seams and hems made with the particularly durable PTFE (Teflon) sewing thread such as TENARA® in plain white
- Soltis-92 – seams and hems permanently welded



Acrylic All Weather

- 100% brand acrylic fabric
- Transparent acrylate coating on the outside
- Fabric is virtually 100% waterproof



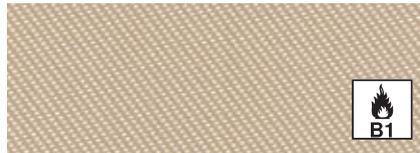
Perfora Acrylic fabric

- 100% brand acrylic fabric with perforation
- Good view out and transparency
- Reduced heat accumulation and little danger of formation of water pockets on the awning fabric through perforation
- High-grade, elegant fabric look through even perforation



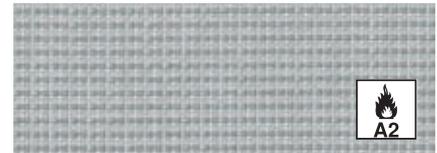
Soltis 92

- Base material made of highly tear-resistant polyester, coated with PVC
- UV and dirt repellent
- Fabric is flame resistant and/or self-extinguishing



Screen

- Screen fabric made of glass fibre coated with PVC
- Heavy quality and reinforced edges using a thermoplastic process
- Fabric flame resistant and/or self-extinguishing according to DIN 4102 B1



WAREMA SecuTex fabric A2

- Suitable for indoors and outdoors
- Non-flammable according to DIN 4102-1 A2
- Minimises the fire load and smoke development
- Odourless
- Weather-proof

 according to DIN 4102 B1 flame resistant

 non-flammable according to DIN 4102 A2

 All Weather

 Perfora



The entire collection is documented in the collection brochure Art. No. 875567.



Fabric quality
for internal
sun shading products

Immerse yourself in the colourful world of WAREMA awning fabrics and design your product to meet your unique personal taste. Our large selection of fabrics and colours can make any wish come true and will give your conservatory a quite unique style.



Trevira CS

- Specially modified polyester fibre
- Fibre type only suitable for indoor use
- Thanks to flame resistance within in the fibres, characteristics such as handle, sheen and care remain unaffected
- Flame resistant according to DIN 4102, B1
- Some qualities are certified according to OekoTex



Polyester standard fibre

- Fibre only suitable for indoor use
- Stands out on account of its excellent strength and abrasion resistance
- Large variety
- Some qualities are flame resistant according to DIN 4102, B1
- Partly certification according to Oeko-Tex standard



Glass fibre

- Fabric only suitable for indoor use
- Some qualities contain PVC
- Some qualities are flame resistant (B1) and/or non-flammable (A2) according to DIN 4102



Soltis 99

- Base material made of highly tear-resistant polyester with open PVC coating (opening factor 1%)
- High tensile strength in chain and weft direction as well as high diagonal stability through coating and pre-tensioning
- Flame resistant according to DIN 4102, B1



Plastic films

- Ppolyester plastic films are transparent and provide high glare control
- Suitable for windows up to 1.5 m width
- Some qualities are flame resistant according to DIN 4102, B1



Digital printing

- Individual design for roller blinds and panel curtains
- Advertising: Realisation of effective and conspicuous logo, claim or photo printing
- Decoration: Targeted room accents with original photo or pattern printing

 according to DIN 4102 B1 flame resistant

 some qualities are flame resistant according to DIN 4102 B1

 some qualities non-flammable according to DIN 4102 A2



The entire collection is documented in the collection brochure, art. no. 874970.

WAREMA Colour World

Maximum colour selection x 5

WAREMA Colour World offers with an extensive selection perfect design possibilities for all powder-coated aluminium parts such as guide rails, cover panels, profiles and boxes. The colours impress by an excellent, durable coating quality and intensive colour brilliance. The powder colours are categorised in Highlight, Variation and Individual. Highlight offers you the constant basis, Variation provides further possibilities and Individual is your advantage when selection the colour.

WAREMA Colour World - Highlight

12 DB and RAL basic colours are the basis of our WAREMA Colour World. We thus offer you selected standard colours which satisfy all current colour requirements. Furthermore select 5 surfaces in order to perfectly adapt the gloss level and structure to the corresponding structural condition.



WAREMA Colour World - Variation

Use the possibility of variation with another 50 RAL basic colours and 4 surfaces. This fulfils any of your architectural colour dream!



WAREMA Colour World - Individual

The category "Individual" with more than 180 powder colours is the perfect complement to the WAREMA Colour World. The surface quality available for this category is provided on request.



Surface qualities

Five different surfaces allow for the perfect selection according to your personal requirements. Satin finish is a not completely glossy surface with smooth course and best light and weather resistance. The surface matt is features a flat matt course. Fine structure is provided with efficient effects. The flood-resistant surfaces are characterised by a clearly improved weathering behaviour with regard to gloss retention, weathering, chalking and colour stability. It is available in matt and fine structure.

A modern living room with large windows and a sun shading system. The room features a white leather sofa, a white armchair, and a potted plant. The windows are equipped with a sun shading system, and a control panel is visible on the wall. The room is bright and airy, with natural light streaming in through the windows.

Control systems

Convenient operation

The combination of a sun shading system and an intelligent control ensures that there is always an optimal feel-good climate in your living space - fully automatic with the press of a button. This is called comfort at the highest level.

EWFS - Standardised WAREMA Radio System

The standardised WAREMA radio system offers you the opportunity to control the individual sun shading drive or light with a minimum amount of installation work. The uniform system allows individual expansion of the control system and leaves room for retrofitting further components at any time. WAREMA supplies the appropriate EWFS solution for the different control requirements of any sun shading product.



WMS - WAREMA Mobile System

Radio systems are particularly beneficial with retrofittings because no additional line routing is required. In the WAREMA Mobile System the only components needed are the transmitter and receiver. Users receive feedback about all move commands of their sun shading systems. Distant units can also be reached by transmitting commands from receiver to receiver (routing function).

WMS WebControl

Simple, comfortable and self-explanatory – the control of your sun shading products via smartphone. Thanks to the intuitive user interface you can use your smartphones, tablets or computers to move your sun shading system with only a few steps into the correct position or to request their current position. Immerse into a completely new form of sun protection automation. Available apps for iOS and Android or as web browser.



