



extended

retracted

over 30 years of experience

Sun protection
for historic preservation



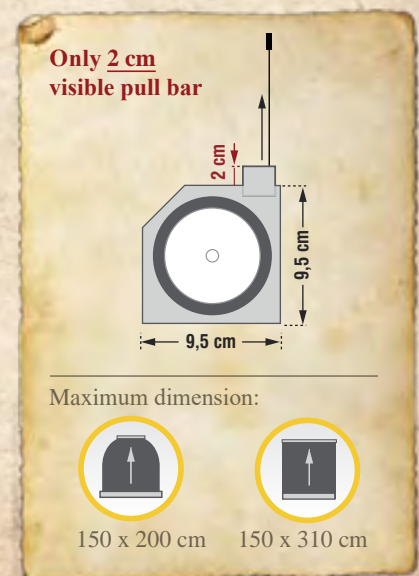
COUNTER-PULLAWNING UNO 95.3



New ideas, both yours and ours, are our daily business – and have been for 33 years. This led to the creation of the new counter-pull awning UNO 95.3, with the priority of reducing the visible pull bar and minimising the fabric gap



Interior view: with arch design

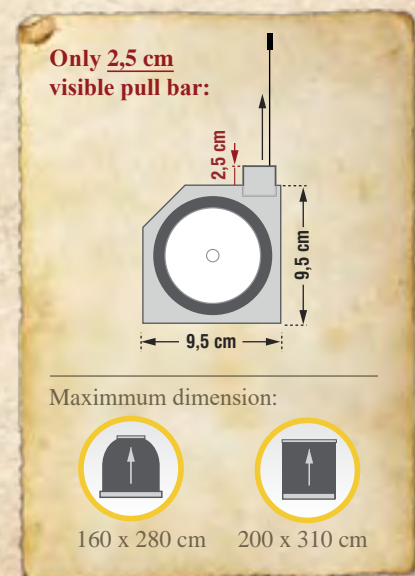
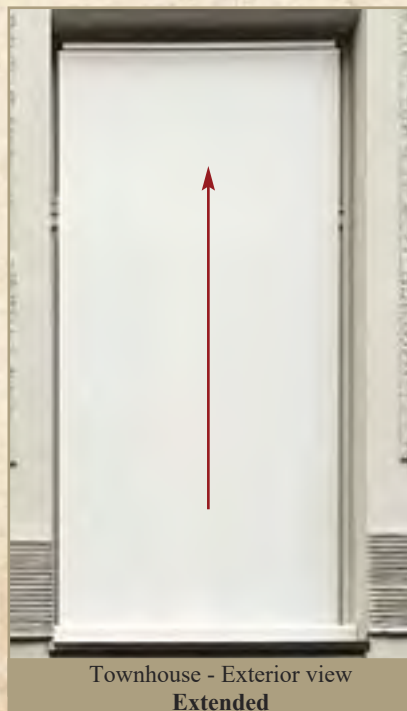




COUNTER-PULLAWNING UNO 95.2

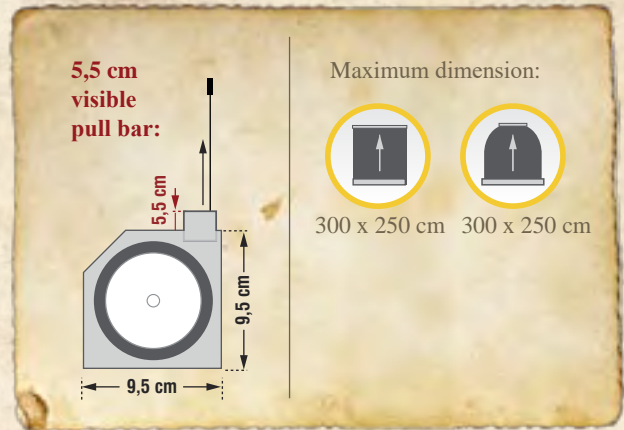


Central Europe often relies on traditional approaches to heat protection. However, we are pleased to show you that there is another way: an innovative, rope-guided counter-tension awning that extends from the bottom to the top. Covered with Soltis 92 textile screens, it offers excellent thermal and visual comfort..



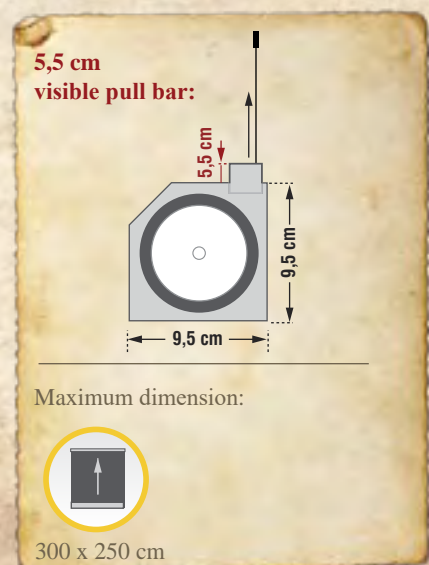
COUNTER-PULLAWNING UNO 95 S WITH ROPE GUIDANCE

Anyone planning the renovation of their own listed building may face substantial fines if they do not comply with the heritage conservation approval process.





COUNTER-PULLAWNING UNO 95 F WITH GUIDE RAIL



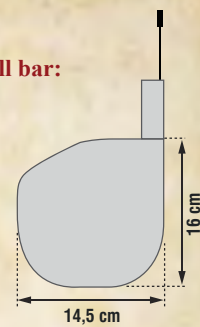


COUNTER-PULL AWNING UNO 160 XL (INTERIOR / EXTERIOR)

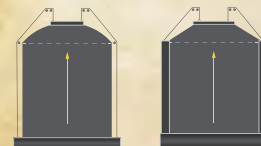


German Federal Bank in Hamburg

**5,5 cm
visible pull bar:**



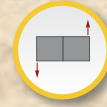
Maximum dimensions: 400 x 400 cm





FIGHTER AWNING

2-WAVE SYSTEM



Frame
19 x 9,5 cm



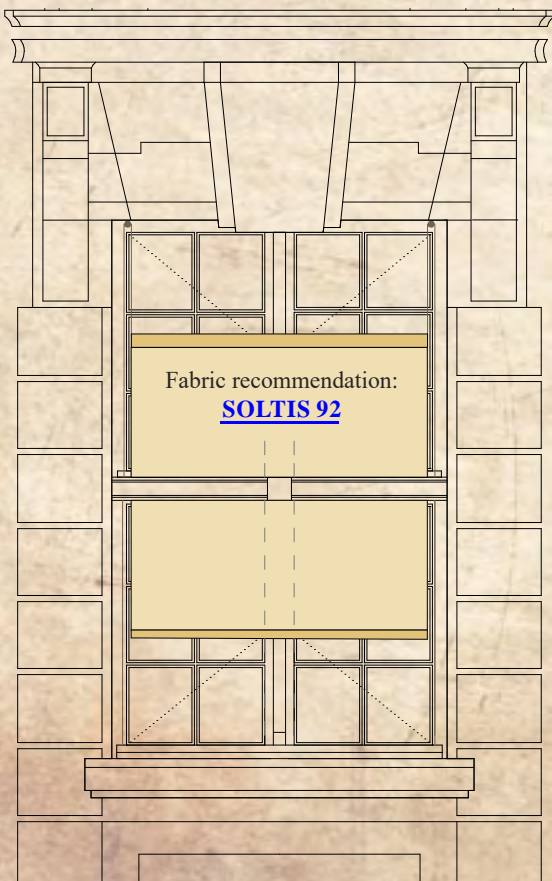
Frame
9,5 x 19 cm



COUNTER-PULL AWNING TWIN 95

(EXTERIOR OR IN GLAZING CAVITY)

Upon request, we can also equip the corner profile with a fighter-like decorative trim.



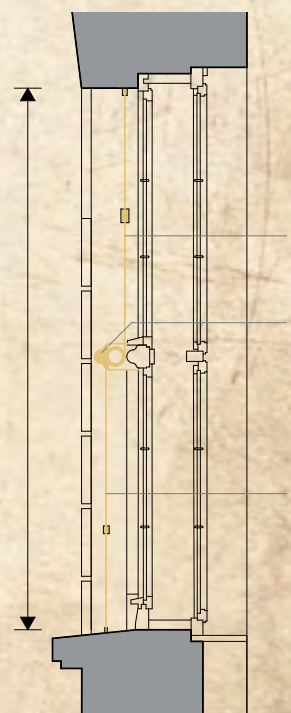
COUNTER-PULL AWNING RKISE TWIN 95

1-Wave system installation
depth 9.5 cm x 9.5 cm

Only possible with
synchronous
operation..



Side view





DELICATE VERTICAL AWNING TYP 1.45 M

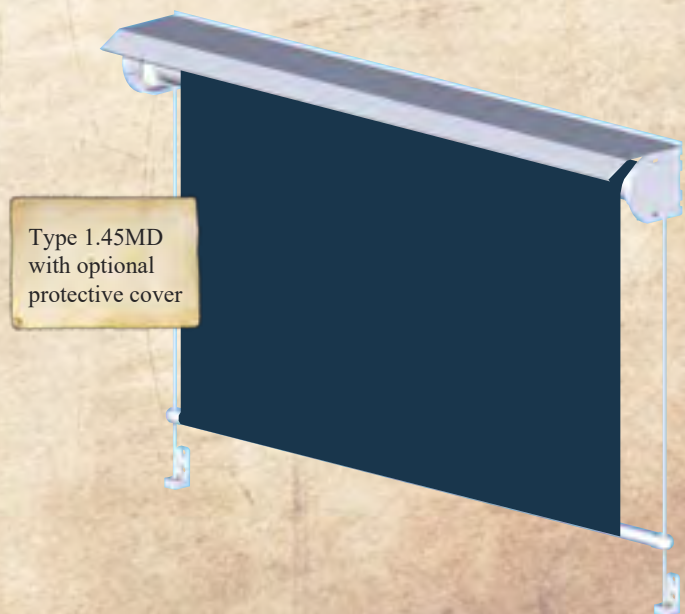


The compact dimensions of the SOLARMATIC® exterior roller blind Type 1.45 M allow for discreet integration of sun protection into the facade. There are no limits to operating comfort, with timeless coverings made of daylight-transparent textile screens.

Up to 240 cm width / with 63 mm shaft



Bsp. Abgeordnetenhaus Berlin





VERTICAL AWNING TYP 1.45 L



Maximum dimensions: 300 x 300 cm





DELICATE CASSETTE AWNING TYP 73ER | 75ER



With delicate vertical awnings from SOLARMATIC®, you improve the energy efficiency of your windows and enable glare-free work at computer workstations.



Interior view (unrolled)



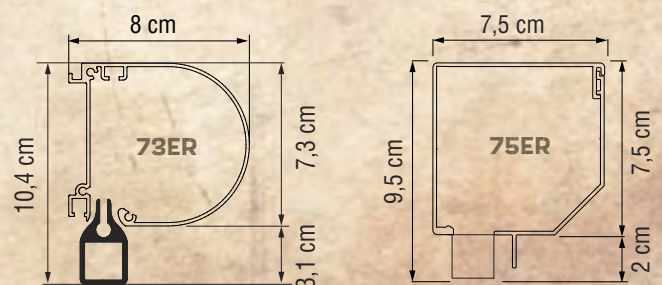
Exterior view (7.3 cm casing, mounted in the reveal)



Ludwigsfelde School



Window awning with solar (95 system)





ADDITIONAL FACADE AWNINGS



High-quality drop arm awnings from SOLARMATIC® with aluminium, steel, or brass frames adorn beautiful facades. Hand-forged and twisted drop arms, or fabrics decorated with gold pigments, are an eye-catcher for every observer. This way, the style and charm of the past are preserved while being combined with the modern use of the building.



Drop arm awnings



Marquisolettes



Drop arm awning with brass frame



Weather protection blinds at the Altfriedland Monastery Ruin



SUN PROTECTION FOR ARCHED WINDOWS

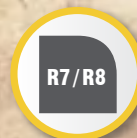
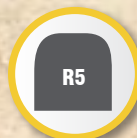


Retractable sun protection for historic arched windows

Our Goal:

To solve summer heat protection in the building envelope as discreetly as possible!

We have been meeting the challenge of integrating sun protection as simply as possible for years. The focus is on the functionality of the rooms and the preservation of the facade. International references and the constant exchange of experience are incorporated into the development of our products.





FABRIC RECOMMENDATIONS FOR EXTERIOR ROLLER BLINDS



BICOLOR

System series: [1.45 M](#) / [1.45 L](#)



9400 white (outside) / black (inside)



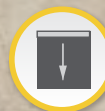
P002007 darkgrey



P002008 beige

SOLTIS PERFORM 92

System series: all



92-2047 anthrazit



92-2171 pebble



92-2044 white

SERGÉ 1 %

System series: [1.45 M](#) / [1.45 L](#) / [FM 73](#) / [FM 75](#)



010010 charcoal / charcoal



007007 pearlgrey / pearlgrey



002002 white / white

SERGÉ 600

System series: [1.45 M](#) / [1.45 L](#) / [FM 73](#) / [FM 75](#)



S600/010010 charcoal / charcoal



S600/007007 pearlgrey / pearlgrey



S600/002002 white / white





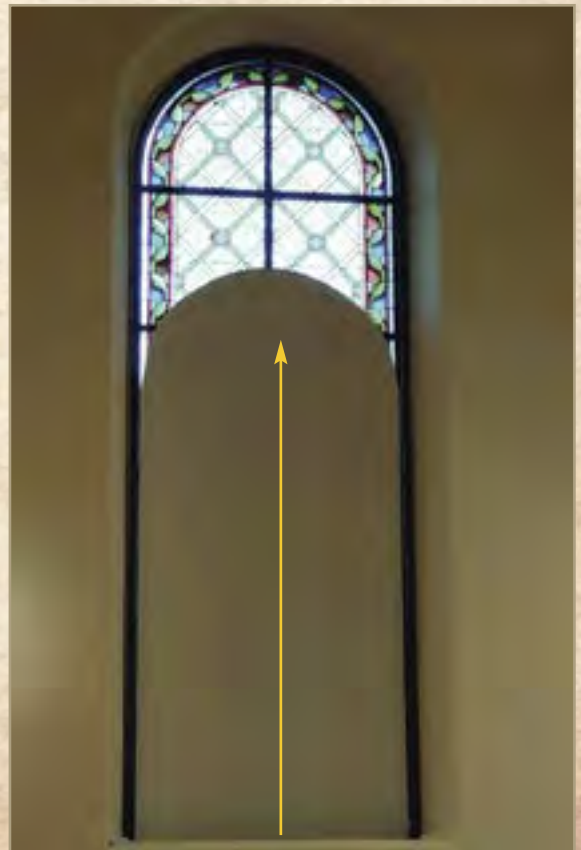
BLACKOUT BLINDS



System UNO 160 in the Peter Edel Cultural Centre



Ceiling system in London



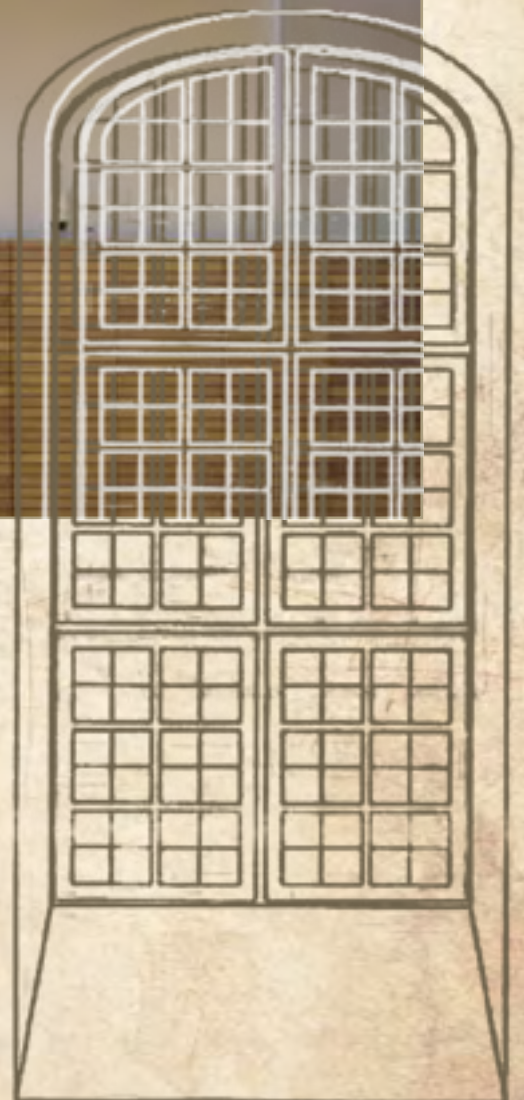
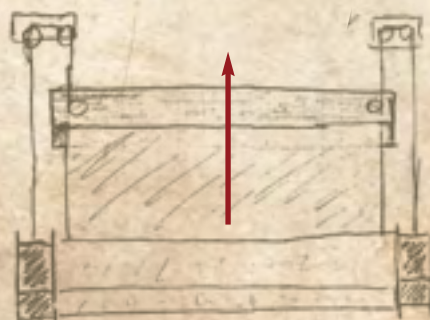
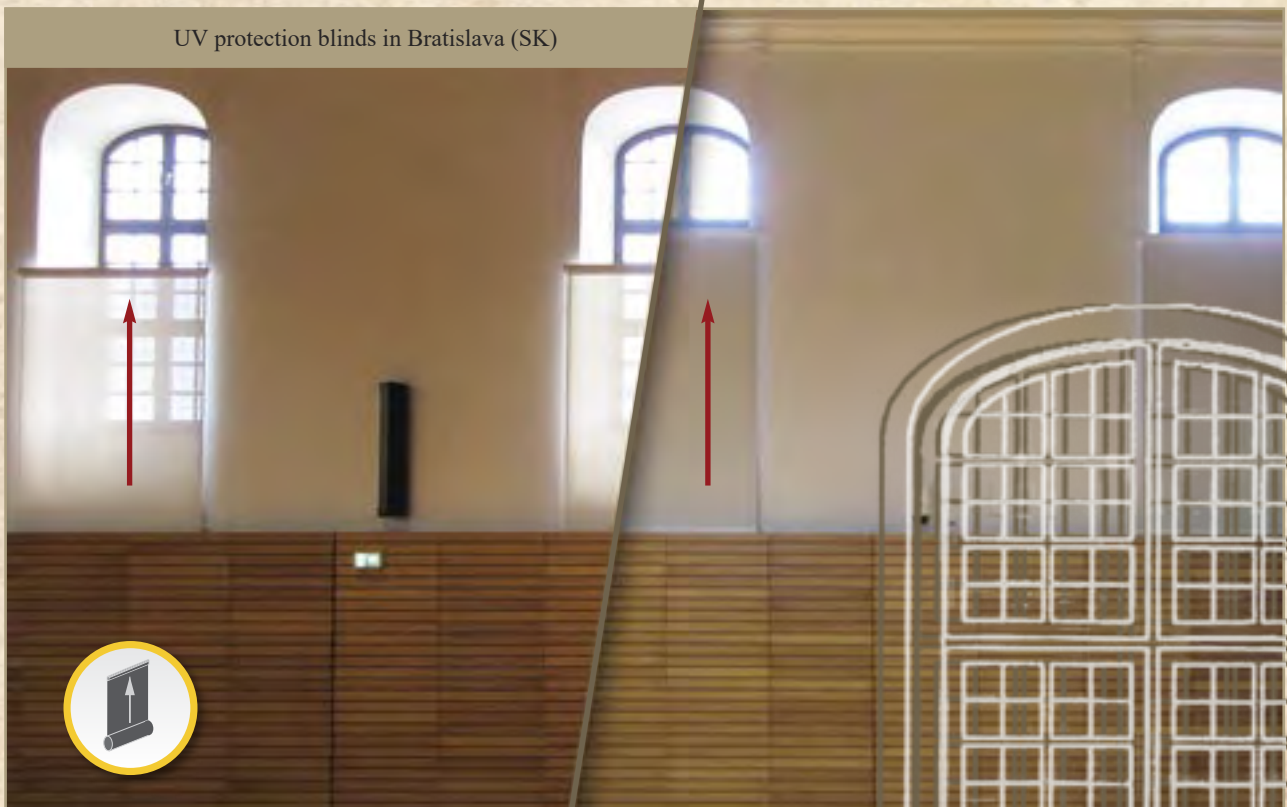
Church window in Rohrbach (CH)



DAYLIGHT BLINDS AS UV AND SOUND PROTECTION



Monuments from the time they were built didn't have computer workstations, so they didn't need any screen glare protection. Today, these historic buildings often serve different purposes, and even a museum, hospital, university, castle, or hotel now needs at least one computer workstation. Heritage conservation and preservation now take into account the needs of modern computer workstations.





ADDITIONAL CONSTRUCTIONS



Courtyard shading

Our passion for technically and structurally demanding requirements in heritage conservation led us to expand our product range beyond standard formats..



barrier-free measurements



design department

insect protection frame with decorative profile



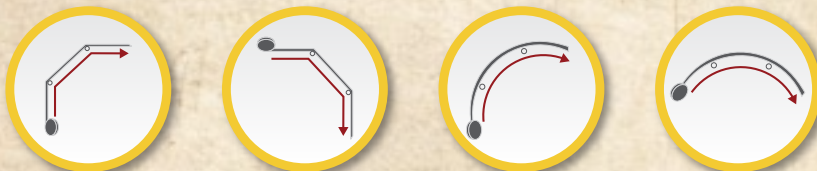
HERITAGE -COMPETECE

With the technology of counterbalance systems, we can realize installations up to 22 m high.



Whether it's transparency, glare protection, privacy, or blackout: SOLARMATIC® is your expert partner for textile screens.

Learn more at: www.Textilscreens.de/gewebe



SUPPORT WITH PLANNING FOR CUSTOM SUN PROTECTION

XXL blinds are the umbrella term for exceptional sun protection solutions. These can be slanted or curved. They also include less common directions like horizontal, bottom-up, or sideways. Listed buildings present new challenges for planners, so asymmetrical glass dome shading is not uncommon for us. Old factory buildings are transformed into beautiful lofts with large glass surfaces that we can equip in one piece with blinds, awnings, or shutters. Make use of our team of experts. We look forward to hearing from you. Ask for your heritage conservation specialist.



IN-BOX WINDOW GLASS INTERSPACE



[Thermo-screens](#) have proven highly effective in the energy-efficient renovation of box windows. For this, we position the blinds, which can also have three individual layers, in the glass interspace. Another efficient option, with single-organ control, is, for example, blinds.



Example: Berlin State Library



Example: Duchess Anna Amalia Library in Weimar



MINI CASSETTE BLINDS

FROM 3.3 CM HEIGHT



SOLARMATIC® [Thermo-Screens](#) reflect and absorb more than

90 % of solar radiation

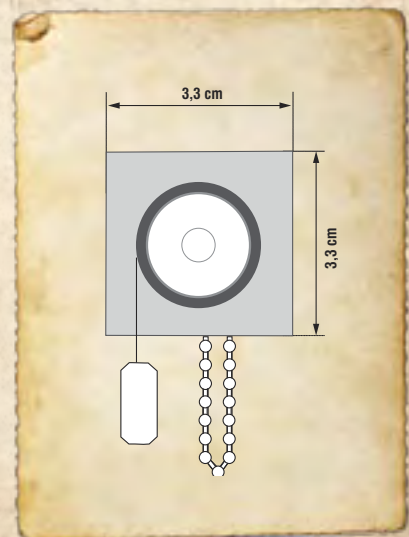
and achieve very low Fc values. This means that, in many cases, the façade does not need to be altered with external shading. Preserving its historical, scientific, technical, artistic, urban, or cultural significance is our priority.



Highly reflective mini cassette blind



Thermo blind integrated into stucco



Composite window blinds



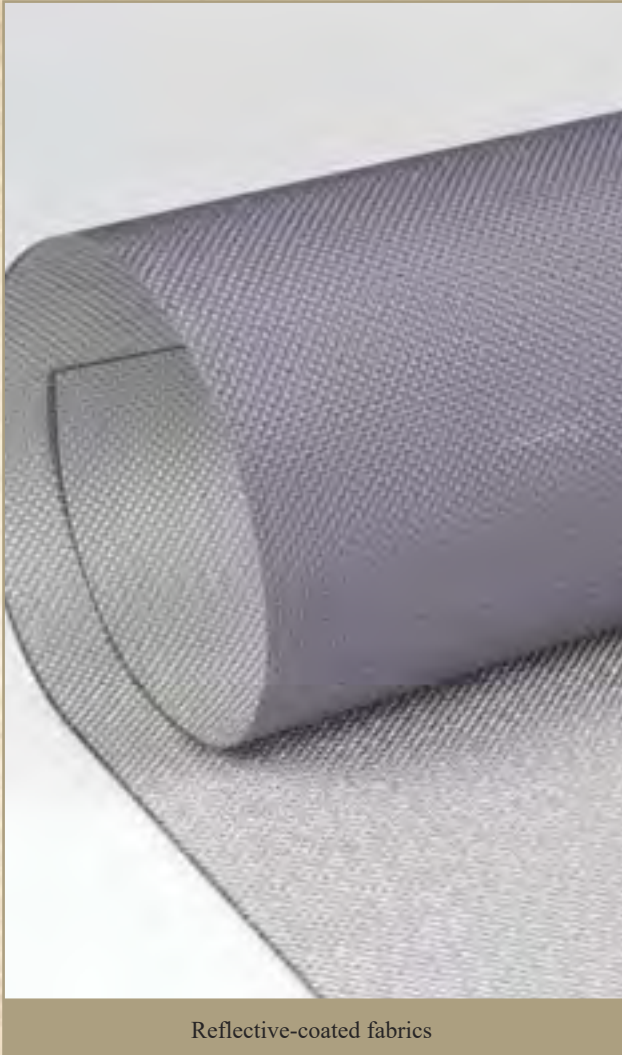
vertical blinds



panel curtains



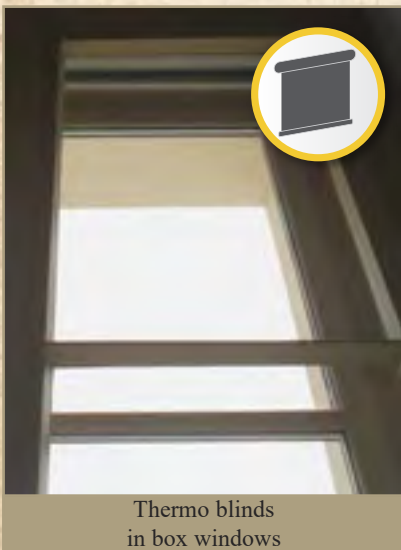
INTERIOR SUN PROTECTION



Reflective-coated fabrics



Composite window blinds



Thermo blinds
in box windows



Panel curtains



Vertical blinds



THE TWO PHYSICAL VALUES IN SUN PROTECTION...

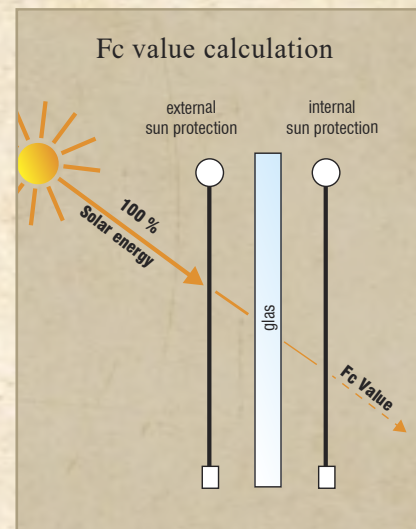


FC-VALUE AND SUMMER HEAT PROTECTION FOR HERITAGE BUILDINGS

Historic buildings did not have insulated facades with styrofoam, insulation wool, or solar control glazing. However, the use of former factories is changing into lofts, courthouses, or training facilities. Workplace regulations prescribe a maximum room temperature of 26° C, which often creates potential conflicts between tenants and landlords. On the other side stands the architect, balancing the interests of the heritage conservation authority.

In general, the exterior view should not be marred by box covers in the lintel area. SOLARMATIC® solutions for summer heat protection in heritage buildings are a better option. We move the façade awnings from bottom to top using delicate cable guides instead of protruding guide rails. The Fc-value must always be determined in relation to the glazing. We are happy to provide this service for you free of charge. For this, we need the U-value and g-value of the glazing. If available, the specified Fc value would also be helpful. As a general rule: the poorer the glass, the more effective a high-energy interior sun protection, such as foil pleated blinds, will be.

From the outside, there are no issues except for the façade's appearance. With our 33 years of experience, we have always provided functional and reversible sun protection solutions with a good Fc-value for every heritage building.



G_{TOT}: TOTAL SOLAR ENERGY TRANSMITTANCE

The total solar energy transmittance, or g-value, measures the energy permeability of a transparent building element, such as glazing. It is the sum of the direct transmission of solar radiation and the heat transfer to the interior through radiation and convection. The lower the g-value, the less heat enters the building.

For the verification and calculation of summer heat protection, the total solar energy transmittance (gtot) is determined as the product of the g-value of the glass and the reduction factor Fc of the chosen sun protection.

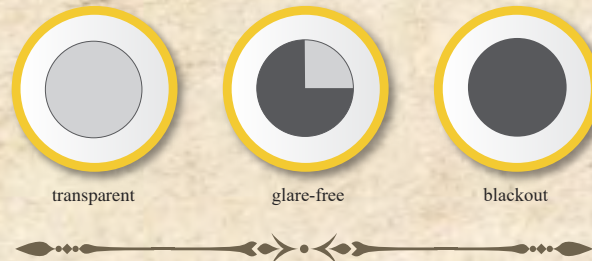
We would be happy to advise you on the appropriate summer heat protection for your historic building!



<https://germanblinds.de/window-awnings/>



WHAT IS AN OPENNESS FACTOR (OF) IN SCREEN FABRICS?

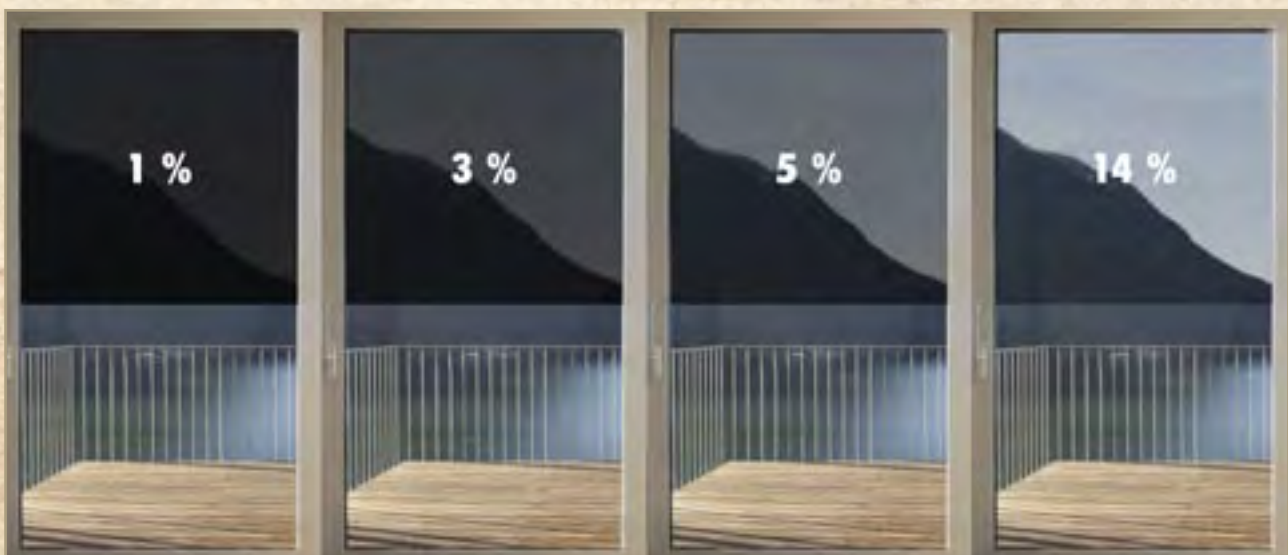


SUN PROTECTION WITH A VIEW

Textile screens are wind-resistant sun protection fabrics with multifunctional properties. Light-transmitting textile screens, which offer high visual and thermal comfort, are fully on-trend. Innovative weaving technologies have given these contrast-rich and rot-resistant fabrics a much more textile character. Enjoy the finer things in life with the wide range of textile screens from SOLARMATIC®!

FABRIC TYPES WITH DIFFERENT OPENNESS FACTORS (OF)

- [Transparent sun protection](#)
- [Light-transmitting sun protection](#)
- [Glare-free sun protection](#)
- [Blackout sun protection](#)



EXPERIENCES WITH TEXTILE SCREENS: TEXTILSCREENS:

- Excellent visual and thermal comfort
- Wind-resistant and dimensionally stable fabric
- Easy to maintain and antistatic
- Flame-retardant in B1 or A2 class
- Also suitable as insect protection

SOLARMATIC® is a fully integrated and project-experienced manufacturer with its own factory installers.



www.germanblinds.de/window-awnings/

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