

UNI GLAS®  
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Our proximity: your advantage

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UNI GLAS® | **SHADE**  
F o i l S y s t e m



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# UNIGLAS® | SHADE

F o i l S y s t e m

UNIGLAS® | SHADE foil system is a new and innovative roller blind system that is based on the developments and experiences of aerospace technology. With the insulation of satellites, a high degree of solar and heat protection is ensured by using specifically coated foils. UNIGLAS® | SHADE foil system is an electrically controllable system that is integrated entirely into the pane cavity of an insulated glass unit. The characteristic, wavelike embossed and extremely thin aluminium-vaporised polyester foil gives the roller blind unit its unique and elegant appearance. Due to its diversity, the UNIGLAS® | SHADE foil system is suitable for universal use; in office or business buildings with workstations, in conference rooms, in hospitals or residential buildings and conservatories, both for solar protection, screening and anti-glare measures and for additional heat insulation. The possibilities of roller blind control are manual, via remote control or fully automated control by means of microprocessors or bus controls respectively. By winding and unwinding the roller blind device which is operated electrically, solar protection and screening, anti-glare measures and heat insulation can be individually accessed according to the situation on site. In addition to the standard power control, there is alternatively a solar version of the UNIGLAS® | SHADE foil system that allows you to operate the roller blind independent of the mains current.

## Mode of operation

The wavelike embossed and partly transparent foil of the UNIGLAS® | SHADE foil system reflects the solar radiation falling on it and avoids excessive heating of the rooms. This leads to significantly lower costs for energy-consuming air conditioning in the summer months. During the day the highly reflecting, coated solar protection foil of the UNIGLAS® | SHADE foil system prevents viewing into



the room whilst ensuring that visibility from inside the room looking out is maintained. For absolute screening with any light conditions, an opaque foil is available which is also used for dimming. The uniform wavelike embossing and the light transmittance of the UNIGLAS® | SHADE foil system prevents glare through sunlight and creates pleasant light conditions in the room that reduce fatigue and allow reflection-free working, especially on workstations. Due to its construction advantages, the UNIGLAS® | SHADE foil system does not influence the design of the façade.

## Constructive advantages and arguments:

- Absolutely maintenance-free, no maintenance or cleaning costs incur
- No inconvenient wind noises, no danger of damage in case of high wind speeds
- Does not retract in the event of wind like exterior blinds
- Protected from vandalism in publicly accessible buildings
- No influence on the design of the façade, as no construction systems are required