Trojan

External Venetian Blinds

Control

- Solar Gain
- Light Level
- Screen Glare
- Visual Perception
- Aesthetically pleasing

Function

- Retractable
- Fully Adjustable
- Auto/ Manual
- Durable
- Proven Technology

Description

Trojan as the name suggests is an extremely robust external blind system. It has proven technology combining the greatest flexibility with the highest performance figure of any standard window shading system. Preventing solar gain from entering the fabric of the building will enable a strategy of natural ventilation without mechanical cooling or significantly reduce the load and running cost of an air conditioning system.

Trojan blinds can reject up to 98% of solar gain and are one of the most efficient in our range for control of light and heat. Actual figures depend on slat colour and detailed properties for each colour can be found on our website.

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Blind Trade Supplies Ltd
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Our performance figures are calculated from testing in accordance with European standards EN14501 and EN13363/1 and are validated and approved for inclusion in the European database. Figures in the ES-SO database (www.es-so-database.com) are the properties of the blind and glass combined (Gtot) so that is the figure for how the blind will perform in a window not its properties in the test lab.

The database uses the calculation methods of EN410 that are used for glazing calculations and is the most accurate method of comparing manufacturers figures.

As an example, a RAL 9006 silver slat with double glazed low-E glass (reference glass 'C' in EN14501) has a Gtot figure of .03 when the blind is closed. As light is as important for comfort as heat rejection a calculation of a blind angled at 45° is more realistic for user comfort. Although it has a lower heat rejection figure it provides an acceptable light level, glare reduction and outward vision whilst still having an impressive Gtot figure of .09 equivalent to 91% reduction in solar gain.

Automatic Control

Effective shading can only be assured if the system is controlled to be functional when solar gain occurs rather than when the occupant starts to feel hot. The strategies for control are identified in guidance notes on Energy Efficient Shading on our website. As shown, in deciding on the control strategy it is essential to clearly identify the priorities and achieve a balance between the requirements of aesthetics, energy efficiency and the needs of the individual occupant.

There are four sizes of slat S80 and S60 are the traditional styles with rolled edges to the slats for a rigid profile F80 and F60 have a finer profile and are designed to flex in excessive weather conditions. Our F50 slat is suited to smaller glazed areas and AV90 has a profile that allows a tighter closure for audio visual presentations whilst still functioning for shading in the tilted position.

Slat S80/60

Slat F80/60/50

Slat AV90

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