Techtonic Non - Retractable

External louvre blinds for shaped and sloping glazing

T80X External view

T80X Internal view

Description

The Techtonic non-retractable louvre blind system has been designed for external or internal applications and is particularly suitable for horizontal, sloping or unusually shaped glazed areas. The system consists of an aluminium sub frame which is assembled below the area to be covered. Once this sub frame is in place, aluminium louvres are clipped in. The fully adjustable louvres reduce solar heat gain, control glare, allow outward vision and ensure best use of natural lighting conditions. Techtonic is a very robust product and is virtually maintenance free. The system adapts to fit almost any glazed area, and provides the solution to the most difficult applications.

Control

- Solar Gain
- Light level
- Thermal comfort
- Energy saving

Function

- Automatic/Manual
- Durable
- Proven Technology
- Sustainable

T80X Shaped

T80X from the inside

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Information sheet

Two louvre options

T80X The standard with heavy duty aluminium with reinforced rolled edges.

T88AV A very heavy extruded section that interlocks when closed. It gives a good degree of dim out for film projection or gallery light level control in addition to providing a fully adjustable sunscreen. With side masking fitted, the blinds can also be fully closed to reduce light levels.

Energy saving

The lowest cost energy is the energy that you do not need so preventing overheating and the need for energy use for cooling is more effective than making plant more efficient. Techtonic external shading does that, reducing the load from solar gain, a significant cost saving. Stopping the gain before it reaches the glass is more energy efficient than paying to remove it.

External Techtonic blinds can reject up to 98% of solar gain actual figures depend slat colour details of performance figures can be found on guidance notes on our website.

Light control Solution

Natural light is beneficial for well-being and comfort but control with shading is essential to minimise lighting costs and maximise visual perception. For daylight control in museums and galleries control of light levels can be needed down to as low as 20 Lux. Techtonic 88 with interlocking extruded aluminium louvres and brush seal surrounds has been developed specifically to meet these strict requirements and can be fitted internally or externally. Techtonic 80 will also reduce levels to around 200 lux and is ideal for audio visual presentations in lecture halls, schools, and multi-purpose buildings as well as providing fully adjustable light control.

Insulation

An additional benefit, with the installation of Techtonic is the provision of a trapped layer of air which can help to reduce overnight heat loss in winter time.

Controls

When mounted externally Techtonic blinds are usually motorised although manual operation is possible if external control is feasible. The motor is located within the blind area and control can be from a simple manual switch to a complex system linked to the building services.

For galleries, light level control systems allow the louvres to adjust to maintain an even light level within a selected band width. For commercial buildings, less complex solar, thermostat or timer controls would usually be specified. Our leaflet, "A Guide to Automatic Control Options, for electric blinds describes the options in detail.

Techtonic T88XAV

Automated control can ensure that the blinds react to external conditions to produce optimum performance. In commercial buildings certain areas may be provided with manual over-rides, (local switch), to the automatic system, to cater for the occupants varying lighting or shading requirements. Do not forget the most important component of any system - the user - total automation can be resented and some degree of local control should be considered.

Techtonic internal range (see separate information sheet) offers louvre widths from 50mm to 88mm in aluminium and 50mm in wood in a wide range of colours.

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