



MicroLouvre™ Solar Shading

100% shading at sun angle greater than 40°

92% solar radiation absorption

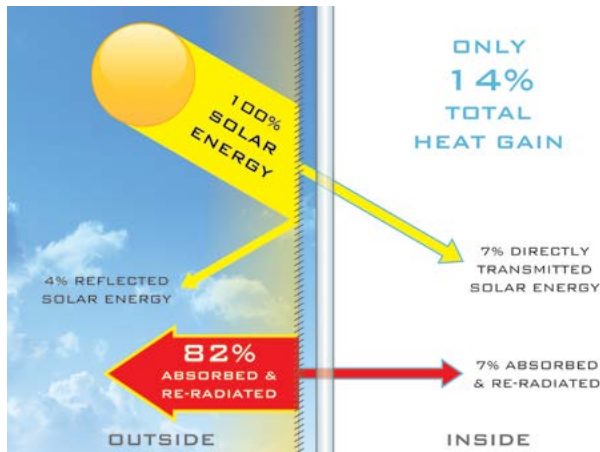
86% reduction of solar heat gain

80% open area for natural ventilation

MicroLouvre™ Solar Shading

MicroLouvre™ is a fine mesh, woven from miniature woven bronze louvres, only two times thicker than a human hair, angled to block and control sun, glare and light, which can be easily and inconspicuously installed externally on buildings, in lighting units, display cabinets and many other applications.

There are over 700 micro louvres, each only 0.25mm thick x 1.27mm wide, in every metre of mesh, normally coated in protective black polyester for a durable, light absorbing finish, almost eliminating re-reflected sun and light. However, MicroLouvre™ is available in a wide range of colours to suit the application.



Shading

Provides 100% shade to windows at sun attitude of 40° or greater when the screens are installed in close proximity to and outside the window and in a vertical plane.

Reduction in Heat Loss

Heat is reduced outward through 6mm clear plate glass at night under winter design conditions by at least 15%.

Air Passage

Screens permit an open area of at least 79%

Reduction of Noise

Can reduced external noise intensity by as much as 50%

Insect Protection

MicroLouvre screens provide at least 17 horizontal wires to the vertical 25mm – equivalent or better than fine insect screen.

Wind Resistance

Screens do not offer wind resistance in excess of 24.41 kg/m² with a wind velocity of 100 km/hr through the screen.

Material

Weft (Louvre) - C220 commercial bronze alloy

Warp - C655 high silicon bronze alloy

Wire size

Weft (Louvre) - 1.27mm x 0.25mm

Warp - 2 x 0.254mm

Mesh

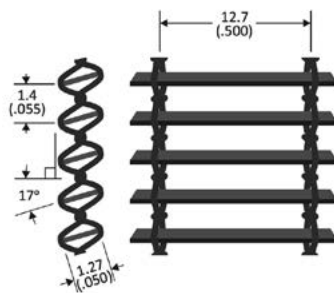
Warp pitch 12.7mm

Weft pitch 1.4mm

Louvre angle 17°

Thickness 1.46mm

Weight 1.0 kg/m²



Frames

25mm, 38mm and 51mm framing options

Benefits

- 100% shading at sun angle more than 40°
- 92% solar radiation absorption
- 86% reduction of solar heat gain
- 80% open area for natural ventilation
- Improve occupant comfort and efficiency
- 45% back of room daylight transmittance
- 25% air conditioning savings possible
- Health & Safety insect screening

