

# SOLAR SHADING

As our Planet warms, the need to manage Solar Energy is increasing. In dwelling & working environments, it's critical that the health, welfare and well-being of occupants **doesn't cost the Earth.**

## THERE ARE 2 MAIN TYPES

### FIXED



### DYNAMIC

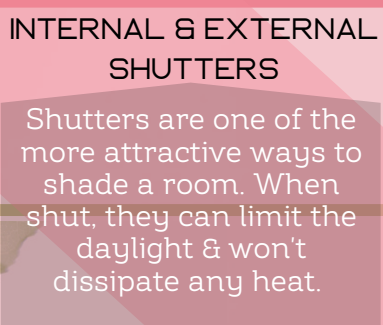
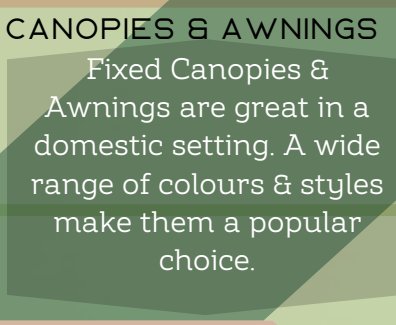
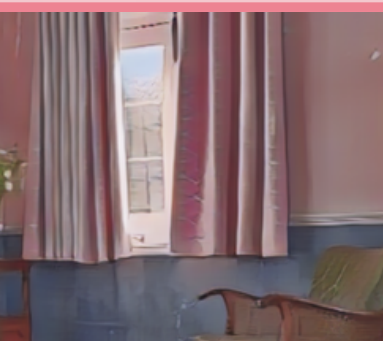


#### OVERHANGS, VERTICAL FINS OR BALCONIES

Excellent at certain times of day but difficult & expensive to retro-fit to a building. Also, with styles like this, the top floor always misses out!

#### INTERNAL BLINDS & CURTAINS

Probably the most versatile & varied option, blinds & curtains will always be a UK favourite. When it comes to Solar Shading, black-out blinds can be very effective.



#### CANOPIES & AWNINGS

Fixed Canopies & Awnings are great in a domestic setting. A wide range of colours & styles make them a popular choice.

#### TREES, HEDGES & OTHER VEGETATION

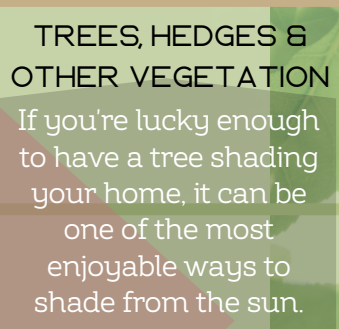
If you're lucky enough to have a tree shading your home, it can be one of the most enjoyable ways to shade from the sun.

#### ADJUSTABLE AWNINGS, LOUVRES & CANOPIES

Solar shading of this type provides a relief from the sun when outside. Inside a home, they provide limited shading however.

#### INTERNAL & EXTERNAL SHUTTERS

Shutters are one of the more attractive ways to shade a room. When shut, they can limit the daylight & won't dissipate any heat.



#### EXTERNAL LOUVRES OR BRISE-SOLEIL

When positioned correctly, external fixed louvres can block out the sun's heat at the hottest parts of the day.

#### LIGHT SHELVES

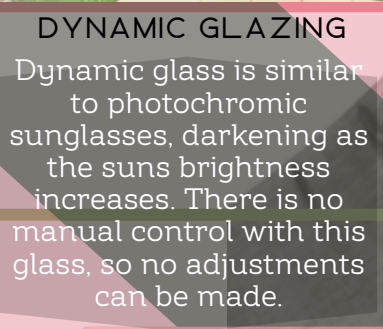
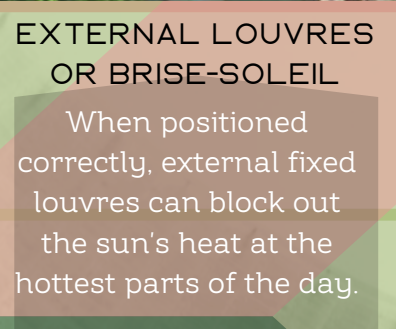
Light Shelves are becoming popular & could be seen as an architectural feature. They have, however, limited impact when they only extend out a short way.

#### ROLLER BLINDS

Low-cost & simple to install, & in pretty much every colourway and design, it's easy to see why roller blinds are so popular. They won't stop the sun's heat however, so additional cooling maybe required.

#### DYNAMIC GLAZING

Dynamic glass is similar to photochromic sunglasses, darkening as the sun's brightness increases. There is no manual control with this glass, so no adjustments can be made.



#### RECESSED WINDOWS

Recessed windows can look great, especially when combined with a balcony. They are limited in the amount of shade they can offer however and are difficult to retro-fit.

#### SOLAR CONTROL GLAZING

As an option, solar control glazing is effective, but can be prohibitively expensive. Also, depending on the type, natural daylight could be restricted by 25% to 85%.

#### RECESSED WINDOWS

Recessed windows can look great, especially when combined with a balcony. They are limited in the amount of shade they can offer however and are difficult to retro-fit.

#### RECESSED WINDOWS

Recessed windows can look great, especially when combined with a balcony. They are limited in the amount of shade they can offer however and are difficult to retro-fit.

## MicroLouvre® can be BOTH FIXED & DYNAMIC



**AS** seen here, there is a way to combine the best of both. MicroLouvre® can be used to partially or completely envelop a building to:

- Provide 100% Solar Shading
- Minimise Solar Heat Gain
- Reduce the need & cost of Air-Con by 68%
- Retain full airflow & ventilation
- Allow perfect outward vision

MicroLouvre® outperforms all other external solar shading systems.