

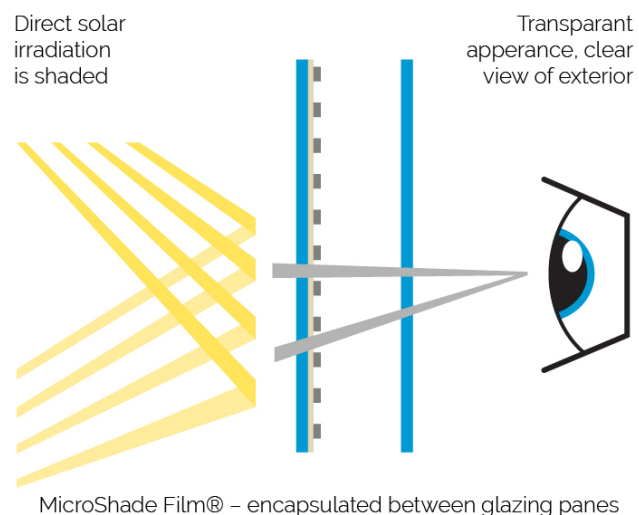
20-12-2022
MS/HFR
Ver. 1.0

Technical user manual

How does it work?

MicroShade® is a passive and highly effective shading solution fully integrated into either a double or triple pane insulating glazing unit.

MicroShade® consists of a micro-structure film which shades the direct sun progressively. The shading effect can be compared to that of exterior blinds - except the film is almost invisible to the human eye - so the view is maintained.



During summer, when the sun is high in the sky, MicroShade® provides up to 100% shading of the direct sun and thereby removes the energy from the sunlight. In contrast, MicroShade allows roughly 35% of solar transmittance in the winter which reduces the need for heating during the cold period.

MicroShade® allows a high level of natural daylight to enter the building.

MicroShade® is not a glare protection device and it is therefore recommended to use additional glare protection, when needed. However, during periods where the sun is high, the direct sun will be blocked by MicroShade®.

The solution is entirely passive and requires no control units, no configurations and no extra maintenance or service.

With MicroShade® you get



Comfortable temperatures

MicroShade® blocks the heat from the sun and ensures a comfortable indoor climate where temperatures do not get too high.



Pleasant daylight conditions

The direct sunlight is kept out, while only the soft and pleasant daylight is let through.



Minimal risk of draft

Because of the efficiency of MicroShade®, the need for cooling is reduced and hereby also the risk of draft.



Reflection of direct sunlight during summer

MicroShade® reflects up to 90% of the direct solar irradiation, and this significantly reduces the risk of glare during summer.



Shading with a view

MicroShade® allows you to view out through your window while at the same time protecting you from the sun's heat



Sustainability

MicroShade® uses no energy, uses less material, and need no maintenance throughout the lifetime of the glazing