

KAPILUX WS Light diffusing 3-pane insulating glass for even, shadow-free and nearly glare-free illumination

Outer pane

Glass type and thickness according to static and/or construction requirements with heat or combined sun and heat protection coating.

Cavity I

8 mm with hermetic insulating glass edge seal according to German Standard DIN EN 1279 and glass filling according to Ug-value requirement.

Middle pane

Glass type and thickness according to static and/or construction requirements.

Cavity II

20 mm with hermetic insulation glass edge seal according to German Standard DIN EN 1279 completely filled with 2 offset 10 mm capillary slabs. The angle of the capillary panels to the surface normal is..... ° (+/- 40 °). All inserts must be free from volatile materials such as oil, grease, etc. This must be tested and verified by the Fogging Test according to German Standard DIN EN 1279-6. The capillary structure is visible and irregular. The capillaries form an angle to the pane normal and offer partial vision in the axial direction. The capillaries have a diameter of about 2.5 mm of white Plexiglas® with a guaranteed UV stability (fastness to light) of 30 years. The three dimensional insert diffuses the direct sun light for an even illumination of the room with daylight. This prevents the direct sun irradiation in the room from hard shadows. The danger of glare is significantly reduced.

Inner pane

Glass type and thickness according to static and/or constructive requirements.

Technical data as required:

The structural values are to be verified by appropriate calculations and/or measurements.

Light transmission %
TSET %
Ug-value W/m²K