



We take architectural glass a step ahead.

Press release on BAU 2011

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Products for green buildings

With its functional glass, OKALUX provides energy savings and high user comfort.

Marktheidenfeld/Tübingen, January 2011. OKALUX is one of the leading insulating glass manufacturers and its extensive product range of functional glass and design-oriented glazing offers almost unlimited possibilities for façades, roofs and interior design. Product development at the Marktheidenfeld-based company is focused on optimal use of daylight. Special inserts in the cavity provide a harmonious solution to the often contrasting demands of a façade's protection and supply functions. The functional glass improves the overall energy balance and user comfort – this is how OKALUX already contributing to the creation of the innovative buildings of tomorrow.

With its product portfolio, OKALUX is an ideal fit for current and future sustainable building requirements. Alongside light-directing systems and improved light diffusion, the inserts in the cavity also ensure optimal heat insulation of the glazing. Furthermore, energy efficiency can be extended by integrating solar cells to generate electricity.

Capillary slabs, metal grids, filigree wooden grids or solar cells in the window cavity can be adapted according to functional and aesthetic requirements. They are protected from the elements in the cavity, making the system maintenance-free and extremely durable.

OKALUX stands for an integrated development and design concept. The functional properties of the insulating glass are always linked to high demands in creative quality. For example, solar cells can be inserted in the cavity to generate electricity. The required incidence of light can be accurately set using the hole patterns and variable distances between cells. Additional inserts can be used to distribute daylight evenly inside. Solar cells are available in a large choice of colours and designs, giving planners lots of freedom.

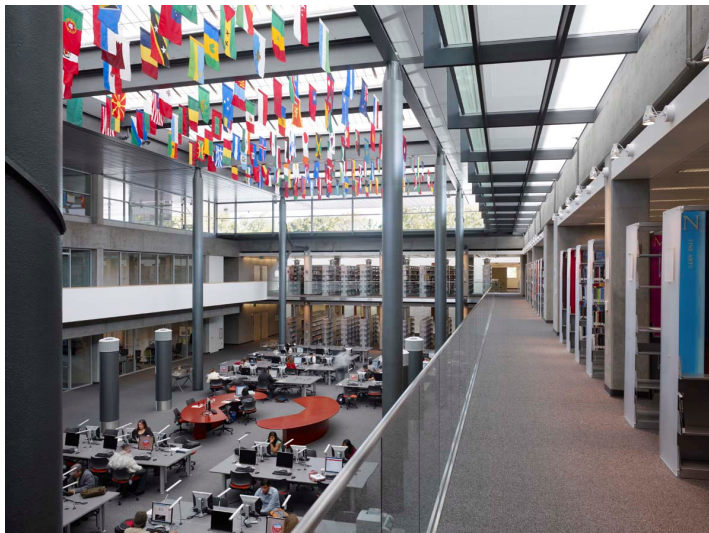


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Oliver M. Hübler, CEO of the internationally oriented insulating glass manufacturer explains: "OKALUX sees itself as a partner in the planning and creative process and is always open to new product developments. This is why close collaboration with architects and planners is paramount, so that together we can build our product portfolio in the field of sustainable building. In parallel, we are progressively developing the company along the road to sustainability."

Membership of the German Sustainable Building Council (DGNB) was a natural step in this direction. "We want to play an active part in discussions about the further development of innovative façade solutions," adds Oliver Hübler. Because a significant proportion of worldwide energy needs is used by buildings, there is enormous potential for optimising the energy efficiency of building envelopes. The functional glazing of glass specialist OKALUX is a major contribution to this, and nationally and internationally renowned architects are now using these products in their building projects.

You'll find us at BAU 2011 (Hall C2, Stand 303)



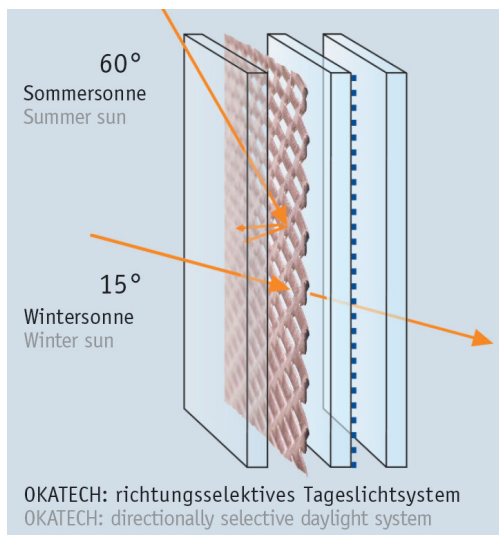
John Spoor Broome Library, Channel Islands Camarillo / USA
Architect (Design): Foster & Partners, London / UK, Photo: Tim Griffith
Natural light is diffused deeply into the room through capillary-slabs in the cavities of the pane. This not only creates a comfortable atmosphere, it allows for large savings as far as artificial lighting is concerned.



Tengelmann Klimamarkt, Mülheim, Ruhr / D
 Vervoorts & Schindler Architekten, Bochum / D

Photo: Christian Schwab, OKALUX GmbH

The high heat insulating properties of OKAGEL insulating glass supports the innovative, energetic concept of the climate market. The building needs only 50 % of the energy required by comparable markets and has zero CO2 emission.



Functionality of the directionally selective daylight systems of OKALUX



DGNB

Deutsche Gesellschaft für Nachhaltiges Bauen e.V.
 German Sustainable Building Council

OKALUX ist Mitglied der
 Deutschen Gesellschaft für
 Nachhaltiges Bauen.

OKALUX is member of the
 German Sustainable Building
 Council.



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