

MEGLA® DYNAMIC GLASS



FALTUSE shown above, as a room partition system with switchable glass

Megla® dynamic glass is available in custom sizes and shapes, making it an ideal choice for architects and designers when creating working, home, retail and leisure spaces. In its white state, liquid crystal glass even becomes the perfect backdrop on which to project presentations, without the need for a separate screen.

One major advantage of KL-megla® conductive hardware systems, is that the power and signal transmitting conductor paths are installed in a way that they stay totally invisible. Comparable products on the market, need a revolving profile on the glass edge, which is not necessary with KL-megla's new technology.



CHALETE shown to the right, the glass door hinges are installed in restroom doors

MEGLA[®] DYNAMIC GLASS

TECHNICAL DETAILS

SWITCHING VOLTAGE	35 or 65 VAC squarewave
POWER-USAGE	approx. 5 W/m ²
FREQUENCY	25-50 Hz
POWER UPTAKE	200 mA/m ²
SWITCH-TIME	less than 100 milliseconds
WORKING TEMP	- 10°C to + 70°C
TRANSPARENCY	approx. 75% (depending on angle)
UV RADIATION	Up to 99% UV-protective
MAX. SIZES	max. foil size 1820 x 3500 mm at 65 Volt max. foil size 1524 x 2540 mm at 36 Volt



The glass is controlled through a Liquid Crystal Controller, which has been specifically developed for megl[®] dynamic glass.

A remarkably innovative way of using the liquid crystal technology, is as blinds integrated into the glass of windows. The liquid crystal film can be manipulated to achieve different grades of transparency, opening animations and support for unconventional window shapes. The possibilities are sheer endless.

