Reference

Renovation

Kannegiesser, Bad Schlema

Essential info

Place / Country:	Bad Schlema, Germany
Project:	Production Hall
Solutions:	shed roof construction Light Panels Sandwich panels CI-System Smoke Lift M SHEV-Flap Wind and rains sensors
Efficiency:	30% of energy saving **Uw=1,68 W/(m²K)** **vs. Uw=2,4 W/(m²K)** **according to EnEV 2009**

In the course of the conversion from an old vacant hall to a modern production building, a save and modern fire-prevention concept under consideration of basic energetic were implemented.

- Light Panel opal made of six-layered, UV-protected polycarbonate with an Ug value of 1,3 W/(m²K), glazing set into an entire continuous aluminum frame system with EPDM-sealing
- Tested Smoke Lift M according to EN 12101-2 with optimized wind baffles, Flap construction made of extruded thermal isolated aluminum profiles, Glazing analogue the remaining surfaces, air permeability according to EN12207 (Kl. 4), wind load handling according to EN 12210 (Kl. C4/B5) tightness against driving rain according to EN 12208 (Kl. E 1200)
- Flap Systems performed for CO2 remote and thermal triggering SHEV flap with flanged-on 230-V-motor
- CO2- alarm cabinet

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