

Reference



Metallbau Bischof GmbH, Sonthofen (Bavaria)

Essential info

Place / Country:	Sonthofen, Germany
Year:	2005
Project:	Production facility
Solutions:	Glass Roof KWS 60 Ventilation Flap PR60 Wind and rain sensor set Solar control insulating glass
Efficiency:	65% energy saving Uw=1,1 W/(m²K) vs. Uw=3,1 W/(m²K) as per German Energy Performance of Buildings Directive 2009

Energy efficiency upgrade with a high daylight intake with elements to prevent glare and excessive solar energy input.

- Ridged roof with 16° pitch, glazing divided up into 110 glass sections, snow load resistance = 3.40 kN/m², sound reduction index = 35 dB (Rwp)
- Thermally separated, extruded aluminium sections
- Ventilation flaps tested to EN 12207 (Class 4), watertightness as per EN 12208 (Class E1200), resistance under wind load as per EN 12210 (Class C4/B5)
- Flap systems with 230 V electric motor (upstroke = 500 mm)
- Wind and rain sensors with visual status, weather and temperature display
- Solar control insulating glass, 42% light transmission and 35% total energy transmission

LAMILUX HEINRICH STRUNZ GMBH

POB 1540 - 95105 Rehau/Germany - Phone: +49 (0)9283/595-0 - Fax: +49 (0)9283/595-290

E-Mail: information@lamilux.com - www.lamilux.com

Reference



Metallbau Bischof GmbH, Sonthofen (Bavaria)

LAMILUX HEINRICH STRUNZ GMBH

POB 1540 - 95105 Rehau/Germany - Phone: +49 (0)9283/595-0 - Fax: +49 (0)9283/595-290

E-Mail: information@lamilux.com - www.lamilux.com