Reference

LAMILUX CI-System Glasarchitektur PR60

University of Music and Performing Arts, Munich

Essential info

Place / Country:	Munich, Germany
Year:	2009
Project:	Administrative building
Solutions:	CI System Glass Architecture KWS 60 CI System Ventilation Flap M Electric motor openers Solar control insulating glass
Effizienz:	61% Energieeinsparung **Uw=1,2 W/(m²K)** **vs. Uw=3,1 W/(m²K) nach EnEV 2009**

Glass roofs reconditioned in the south and north section of the building while taking into account current energy efficiency requirements for daylight systems. The steel bearing structures continue to be used as the supporting structure due to building preservation reasons.

- Glass roofs in hipped roof shape with 20° pitch, Ug value = 1.1 W/(m²K)
- Flap systems for SHEV function and natural ventilation; light transmission tested to EN 12207 (Class 4), watertightness as per EN 12208 (Class E1200), resistance under wind load as per EN 12210 (Class C4/B5)
- Thermally separated, extruded aluminium sections
- Installation of supply cable and flap control connection to building control system
- Heat protection insulation glazing made of laminated safety glass, 67% light transmittance and 46% overall energy transmission, Thermix edge bond, sound reduction index Rwp about 35 dB

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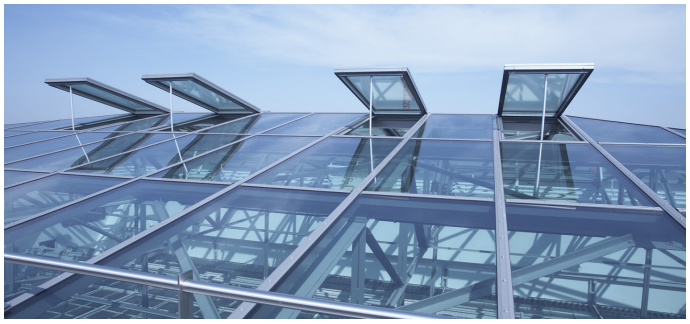

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