

## **Essential Info**

Place / Country:	Munich / Germany
Year:	2012
Building type:	Retail
Solutions:	Glass Roof KWS 60 Ventilation Flap PR60

The biggest challenge of this project was that the complete renovation had to be done while business was still going on.

Moreover, some parts were combined with fire resistant glazing. SHEV systems were dimensioned newly and in some parts, moveable sun protection was mounted on the outside.

- Demounting the existing sun protection and glass roofs
- Shed roof with inclination of 15°, Dimension: 8m x 38m partly G30 version, partly sun protection insulation glazing Ug value: 1.1 W/(m2K)
- LAMILUX Glass Roof KWS 60 as shed roof with inclination of 15°, dimension: 10m x 10m, Ug value: 1.1 W/(m2K)
- LAMILUX Glass Roof KWS 60 as hipped roof with inclination of 30°, dimension: 3m x 14m (5 hipped roofs), Ug value: 1.1 W/(m2K)
- LAMILUX Glass Roof KWS 60 as gabled roof with inclination of 30°, dimension: 3.5m x 29m (32 gabled roofs), Ug value: 1.1 W/(m2K)
- Ventilation Flap PR60 (32 pieces)
- Sun protection window shade for some parts of the glass roofs















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