

Munich Airport Centre (MAC)



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High-end shopping and conference centre at Munich Airport. The design of the façade was extraordinarily demanding and was carried out by using the most advanced 3-D CAD software. Geometrically complex solutions were necessary to transform the architects vision into practical solutions. The whole façade of the MAC was designed, manufactured and installed by Dobler Metallbau.

After MAC as a clear sign of customer satisfaction Dobler Metallbau was given the contract for the piers N and S and the luggage handling hall in the new terminal II, totalling about 40,000 m² of façade area.



Inner view

Employer:

MAC Grundstücksgesellschaft, Grünwald

Planing Architect:

Murphy/Jahn Architects, Inc., Chicago Illinois

Site Supervision:

BMC Baumanagement Consultants GmbH, Munich

Façade Consultant:

Ingenieurbüro Schalm, Munich

Installation Time:

20 months

Extent of Work:

Design, production, delivery and installation of aluminium and glass façade, structural glazing

Façade Area & Quantity:

17,300 m² façade
2,500 lfm sun protection louvre glass
4,100 m² sun screen

Glass: Glass build up:

10 mm thougened / 18 mm cavity / 6 mm laminated float

Sun coating: Luxguard Sun 63/32

L_T -value: ≥ 63 %

Solarfactor (g -value): ≤ 32 %

U_g -value: ≤ 2,0 W/(m²K)

Sound reduction value: ≥ 42 dB

Screen print: two coloured - no. MRC 2 G / MRC 1 W

Surfaces:

Powder coating: special grey- no: V1512 / AL23 Wet coating

(steel): special grey- no: V1512 / AL23

Façade Handover:

1999



Inner view



Detail view