

International Green Roof Association Global Networking for Green Roofs



Project Data

Project:	Zurich Airport Kloten, Parking Garage B
Client:	-
Location (City, Country):	Zurich, Switzerland
Year of Construction:	2001
Roof Size:	8,000 sqm
Building Type:	Parking garage
Green Roof Type:	Extensive
Vegetation:	Sedum
Architect/Designer:	Stutz + Bolt, Winterthur
Contractor:	Belke GmbH, Lennestadt

“Zurich Airport Kloten, Parking Garage B”

A requirement of the Zurich Canton is that all roof areas of the airport buildings have to be greened. Greening all roof areas of the airport building will provide the benefit of retaining rain water on the roof areas and thus reducing the amount of run-off water into the sewage systems. Additionally the green roofs provide a unique and pleasant view for the inbound and outbound flights.

The installation of the project was a logistical challenge. Only two storing positions in front of the building were available. Specially designed lorries were used to pump the substrate via a pneumatic pump onto the 50 m high roof. The lorries were equipped with funnel shaped outlets at a capacity of 12-15 m³ and were used over a seven-day period. The plants were installed with cuttings and hydro-seeding. Afterwards a Jute net against erosion was installed to protect the cuttings from strong winds.

