

International Green Roof Association Global Networking for Green Roofs



Project Data

Project:	Aquadome – Tirol Therme
Client:	-
Location (City, Country):	Längenfeld, Austria
Year of Construction:	2004
Roof Size:	9,700 sqm
Building Type:	Public swimming pool
Green Roof Type:	Extensive
Vegetation:	Sedum
Architect/Designer:	Prof. Dr. Schnögass, Vienna, Austria
Contractor:	Grasberger – GaLaBau, Tirol, Austria

“Aquadome – Tirol Therme”

The idea was to establish a unique and excellent Hotel and Thermal Spa complex in the heart of the Ötztaler-Alps. This was realized by establishing the Aqua Dome in Längenfeld. The complex contains two indoor pools (spring water at 34° and 36° Celsius), activity pool, relaxation areas, solarium, warm zones, dining, shops etc. 9,700 sqm of this area is roof space over underground garages.

The green roof areas are installed with drainage elements which have been adjusted to the local precipitation and to provide the necessary drainage capacity. The green roof over the underground garage contains a deep supply of vegetation substrate. In addition to the regular substrate depth, certain areas with lawn are mounded to create a wave-like character over the surface. Bushes and shrubs are planted around vents to help camouflage the technical equipment.

Large trees are planted at a sub-ground level and grow through the roof of the underground garage. Grid elements have been used to cover the area between the tree trunk and the gap in the surface construction to prevent accidents.

