

Project Report



The roof of the Radisson Hotel in London located directly by the River Thames.

Project Data

Area: ca. 3.000 m²

Construction Year: 2006

Architect/Design:
Mr. Peter Lill, Skidmore Owings & Merrill

Contractor:
Briggs Roofing and Cladding, Stratford

Coordinates:
51°30'21.62"N 0°00'17.05"W

Conception

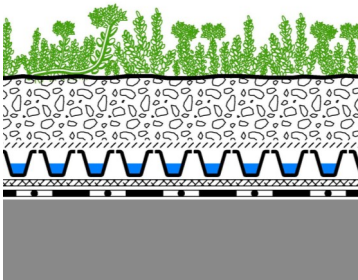
The Radisson Hotel, located opposite to the Millennium-Dome, was built in 2006 in the new centre of Canary Wharf. The approx. 3.000 m² roof on top of the 10th floor of the Radisson Hotel received an extensive green roof. Because the building is located directly by the River Thames and is surrounded by high buildings the Radisson Hotel is exposed to strong winds. Therefore it was decided to

plant the roof partially with pre-cultivated vegetation mats. Between the vegetation mats and the roof edge is an approx. 2 m wide gravel strip where the rails for the window cleaning system are placed. The centre of the roof area was planted according to the plant list "Rockery Type Plants". The drainage and water storage element Floradrain® FD 25-E was used for the build-up of the roof garden.



The ten-storey Radisson Hotel is located between much taller buildings in the new district of Canary Wharf.

System Build-up



- Plant layer
- System Substrate
- "Rockery Type Plants"
- Filter Sheet SF
- Floradrain® FD 25-E
- Protection Mat SSM 45
- Roof construction with root resistant waterproofing



The location directly by the River Thames provides high wind load.



During application of the pre-cultivated vegetation mats.



The vegetation mats laid along the roof edge provide instant ground coverage and from wind suction security.



After one year the inner part of the vegetation has formed a closed carpet.

ZinCo Green Roof Systems Ltd.

Wittas House · 2 Rivers Industrial Estate · Station Lane · Witney OX28 4BH · United Kingdom
Phone +44 (0)1993 229700 · Fax +44 (0) 2031 631915
office@zinco-greenroof.co.uk · www.zinco-greenroof.co.uk

Life on Roofs

