

Project Report

Plough Lane, Wimbledon, London 



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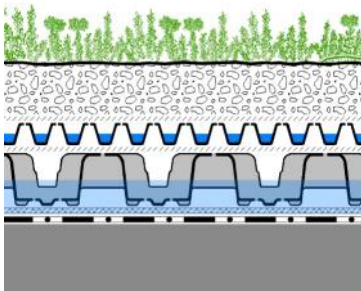
The huge mixed-use development at Wimbledon Grounds including vast 15.967 m² area of 'blue' roofs and 'blue' podiums is one of the largest blue roofing projects in the UK.

Conception

This large-scale development located on Plough Lane, Wimbledon, London is part of a 51.000 m² regeneration masterplan for the brand new purpose-built stadium for AFC Wimbledon. The residential scheme surrounding the stadium comprises 600 homes as well as community, leisure and retail space. Every roof and podium in the Wimbledon Grounds residential complex is a 'blue' roof, which incorporates a sustainable drainage system (SuDS) to prevent flooding and pollution. The project includes four large blue podiums with

landscaped gardens situated for example over a car park or entrance hall and providing community space to the residents. In addition, the apartment block roofs have 26 blue roofs with a green roof installed on top. These are seeded with a biodiverse mix of native wildflowers, sedum and grasses. On all roofs the "Stormwater Management Roof" build-up came to use. While RS 60 spacers were installed as system core pieces on the blue/green roofs, heavy duty RSX spacer elements were used on the landscaped podiums.

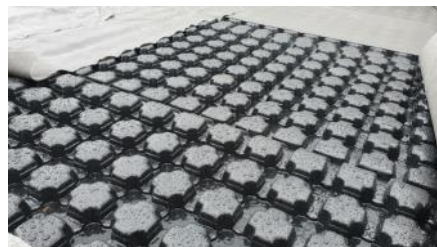
System Build-up



Mix of wildflowers, sedum, and grasses
System Substrate "Sedum Carpet"
Filter Sheet SF
Floradrain® FD 25-E
Filter Sheet PV
Retention Spacer RS 60
Filter Sheet PV
Roof construction with root resistant waterproofing



The heavy duty RSX spacers were laid on all podiums allowing them to be used as roof gardens with hard and soft landscaping.



RS 60 retention spacers were used on all green roofs providing retention space below the wildflower/sedum build-up.

Project Data

Area: ca. 15.967 m²
Construction Year: 2020/2021
Developer:
Galliard Homes, London
Roofing Contractor:
Kingsley Roofing (London) Ltd.
Landscape Contractor:
Pritchard & Pritchard Ltd., London
System Build-up:
"Stormwater Management Roof" with RS 60 and RSX type spacer elements
Coordinates:
51°25'59.7"N 0°11'04.3"W



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View from above onto one of the podiums and onto the street situated at a lower level.



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One of the blue podiums a few months after the installation. Vegetation has established very well.



The flow controller is used to regulate the rain water run off within a pre-defined period of time.

ZinCo GmbH

Lise-Meitner-Strasse 2 · 72622 Nuertingen · Germany
Phone +49 7022 6003-0
info@zinco-greenroof.com · www.zinco-greenroof.com

Life on Roofs

