

Project report

Chelsea Creek, London



Highly contemporary linear planting was integrated in these multi-use luxury roof gardens. The plants needed to be low maintenance and suitable for the harsh conditions on the 21st floor of a building.

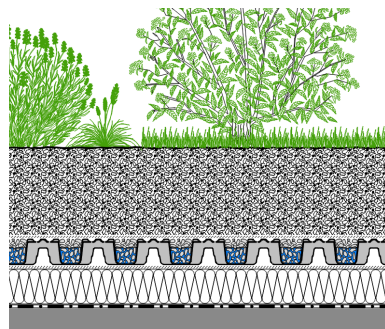
Conception

Chelsea Creek is a new residential development consisting of a number of luxurious high and low rise apartment buildings situated in a waterfront location around newly created canals and waterways. Various of these buildings come with stunning penthouse roof gardens with luxury facilities such as hot tubs, outdoor fireplaces, water features, and green walls and a combination of paved terraces and contemporary urban planting. They offer breathtaking views of the

meandering waterways around the buildings as well as of the nearby River Thames and the London skyline.

To create these luxury roof gardens on an inverted roof, the "Roof Garden" build up with FD 60 neo was used allowing for continuous drainage underneath the planters and paved areas. The vapour permeable Separation membrane TGV 21 was used to avoid creating a vapour barrier on top of the XPS insulation.

System Build-up



Vegetation such as meadows, perennials, shrubs and trees

System Substrate "Roof garden"

Filter Sheet SF

Floradrain® FD 60 neo infilled with Zincolite® Plus

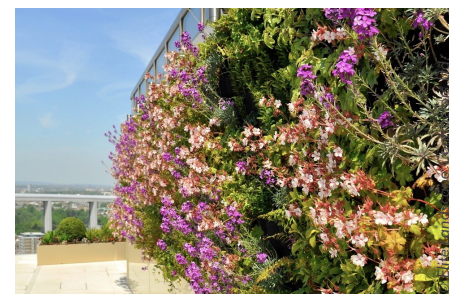
Separation Membrane TGV 21

XPS insulation

Roof construction with root resistant waterproofing



A hot tub at this height with a fantastic view of the London skyline provides a special experience indeed.



Green walls were also included as an additional design element.



The landscaped gardens at ground floor perfectly integrate with the meandering waterways of this new neighbourhood which was inspired by other European Cities like Amsterdam and Copenhagen. Water as a theme is picked up in various water features and beautifully designed bridges inviting the residents and visitors to rest and contemplate.

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