

DuFours Place, Soho, London

Biodiverse roof installation – Case study



Materials delivered and stored on patio adjacent to the green roof location. Typically substrate is delivered in large sacks directly onto a roof, however due to the location crane access was not permitted.



Root barrier beginning to be laid out directly onto the water-proof membrane of the traditional roof.



Laying down of drainage board on top of root barrier



This picture shows all of the layers of the green roof – Root barrier, Drainage board, Filter fabric and the substrate.



Substrate bags were placed on top of the filter fabric to keep the layers in place, and then opened out onto the roof.



Installation of drainage outlet to allow rain water to drain from the roof. As per FLL Guidelines a fire break consisting of large pebbles was added around the perimeter of the roof.



Substrate is roughly raked out across the roof area in preparation for the sedum matting. Substrate depths vary from min 80mm – max 150mm.



Laying of sedum matting



Substrate was mounded onto the sedum in an undulating patterns

- a) to break up the linear shape of the sedum matting;
- b) and b) to provide areas where the substrate is of higher elevation
- c) creating minor micro-climate variations. Rows of larger pebbles
- d) were added in a random pattern to provide a different substrate
- e) type and also to make the roof more visually appealing at this stage.



A communal area for residents of the DuFours tower block that is situated adjacent to the biodiverse green roof was created. There is open access to the roof.



December 2011 – the green roof is complete and subsequently seeded with a wildflower mix





December 2011 – view from the tower block looking down onto the green roof. The green area a storey below is astro-turf type grass that is part of the City West Homes offices, adjacent to DuFours Place

April 2012 – wildflower seeds are starting to germinate



July 2012 – wildflower meadow in full bloom



July 2012 –
wildflower meadow
in full bloom

