



## Valley Drive

**Client:**  
Jan Mulreany

**Location:**  
Brighton

**Size:**  
18m<sup>M2</sup>

**Green Roof Type:**  
Seeded and plug-planted habitat roof

**Price:**  
£6K

**Completion Date:**  
March 2012

A green roof was the obvious answer when we had to repair our derelict garage, and Organic Roofs helped us with it from the design phase to its construction. With a plant mixture of lavender and grasses along with the usual sedum, this gives insects a variety of nectars. And we have a visually exciting 'landscape', both from street level and for our neighbours, whose windows overlook what had been a dirty and weedy asphalt desert.

**Jan Mulreany, Home Owner**





Our client wished to transform a derelict garage into a sewing room. The structure was partially sunk into the adjacent hillside, into which the pitched roof also drains.



After years of neglect and encroachment by neighbouring plants the entire roof surface was condemned. Some of the joists were able to be saved for reuse as noggins, and elsewhere in the garden.



Following the pitch-line of the old roof, it was a quick process to install the new, stronger joists. Ensuring the beams and structure below are able to cope with the additional load is one of the prerequisites of green roof design. For larger structures, a structural survey should be undertaken.

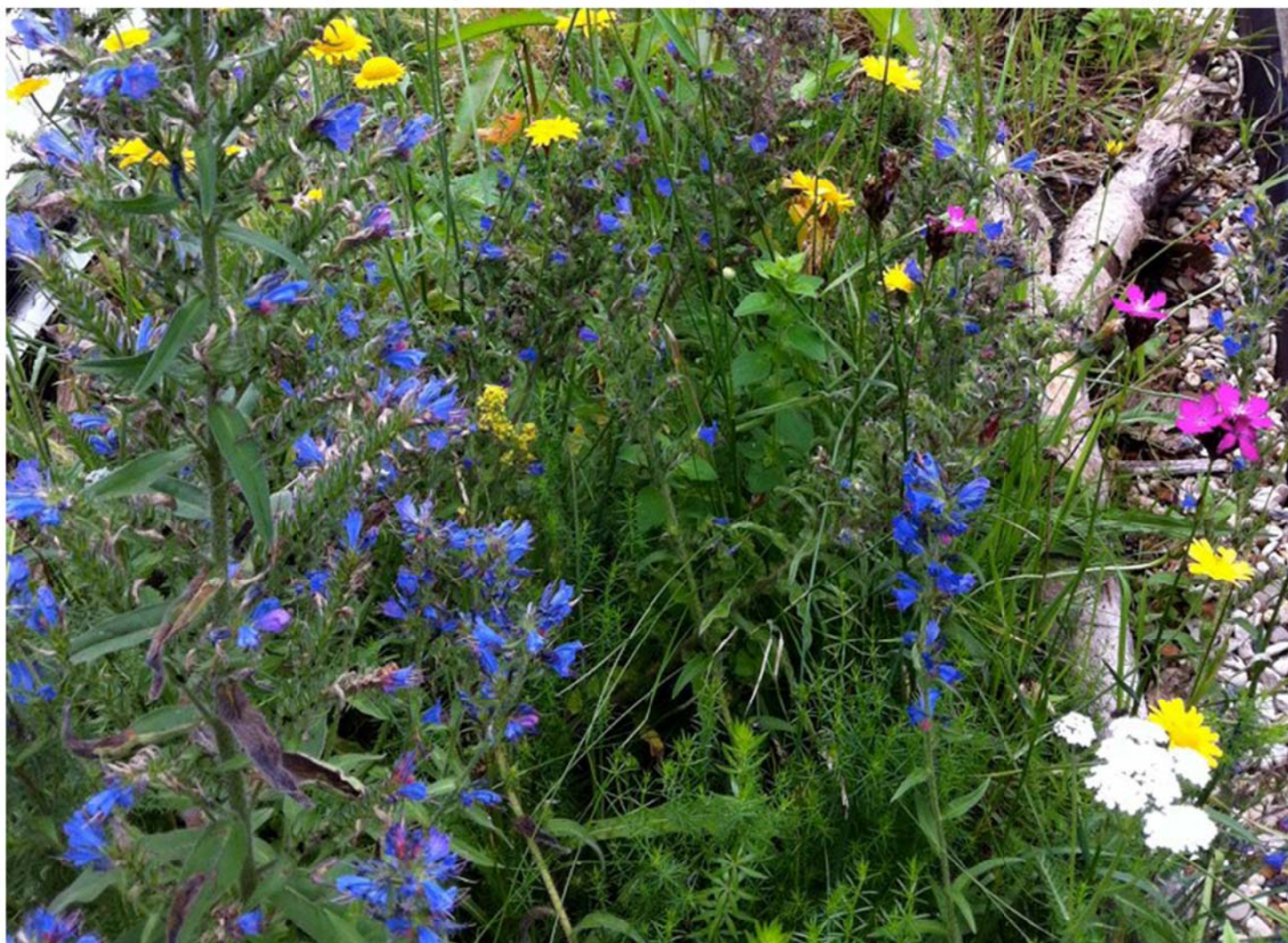




Once the ply deck was laid, the EPDM membrane is laid and dressed into the parapet walls. Here, we replaced the existing brick course with oak sleepers. On residential projects such as this it is normally possible to complete the waterproofing in a day, enabling internal works to continue undisturbed in the dry.



The substrate was laid in undulating fashion to better emulate the natural environment of target species. Some leftover sedum blanket was laid in one area while plugs, seeds and more developed pot plants were dotted around the roof. The perimeter and the area around the skylight were filled with creamy-coloured Cotswold chippings.



Within a few weeks of installation the roof looks fantastic, even before work has been completed at ground level and internally. It is recommended that a wildflower meadow roof like this be maintained bi-annually by our highly-knowledgeable maintenance teams.

Approved installers for:

**hertalan**  
the Waterproof Solution

**WILDFLOWER TURF**  
the first turf to complete the job

**SHIRE**

**SkyGarden**  
GREEN SOLUTIONS

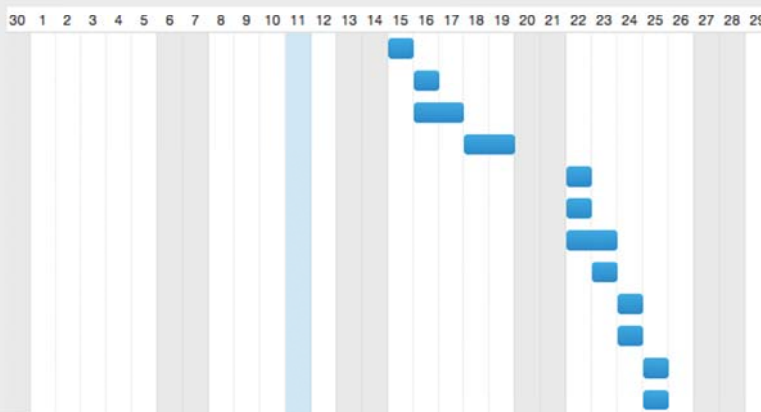
**Lindum**  
green roofs



## VALLEY PARK

MARCH 2014

CLEAR FOILAGE  
REMOVE EXISTING ROOF  
MAKE GOOD BRICKWORKS  
PITCH NEW JOISTS & DECK OUT  
LAY ONE PIECE MEMBRANE  
INSTALL SKYLIGHT  
DRESS MEMBRANE INTO WALLS & DETAILING  
OAK SLEEPERS TO FORM PARAPET  
LAY GEOTEXTILE/ DRAINAGE/ FILTER FLEECE  
LAY SUBSTRATE  
HABITAT FEATURES  
TURF, SEEDING & PLUG-PLANTING



### TECHNICAL INFORMATION

**Pitch:** 7°

**Size:** 18m<sup>2</sup>

**Weight:** 150kg/m<sup>2</sup>

**Membrane:**

Hertalan 1.2mm EPDM in 3 sections

**Planting:**

Locally appropriate wildflower meadow  
(species list available)

**BAP target species include:**

Brown-banded Carder Bee,  
Dingy Skipper,  
Hornet Robberfly

**Irrigation:** Roof fed via re-directed downpipe

### LOCALLY APPROPRIATE PLANTING

SUBSTRATE (80MM)

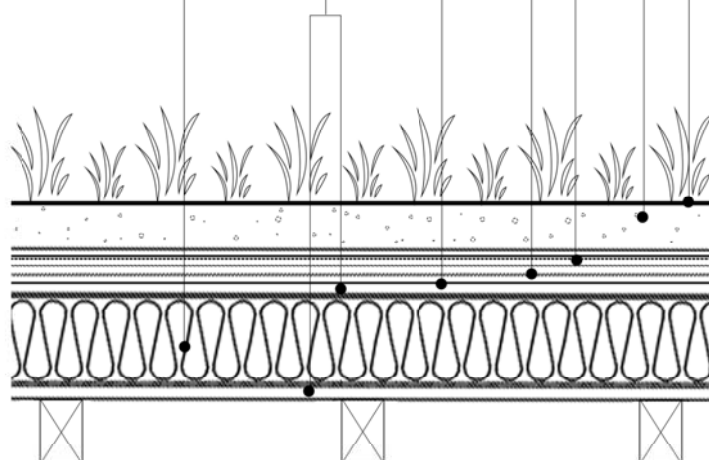
FILTER FLEECE & DRAINAGE LAYER

GEOTEXTILE PROTECTION LAYER

EPDM (MEMBRANE)

18MM PLYWOOD SHEETS

INSULATION



### WHY CHOOSE ORGANIC ROOFS?

**Transparency:** Once the project spec is agreed, the price you see is the price you pay

**Simplicity:** We avoid jargon and oversee all communications with clients, design team and contractors to ensure a smooth install

**Peace of Mind:** Habitat and systems expertise, fully warranted workmanship and manufacturer-backed guarantees on all installed components

### WHAT TO DO NEXT:

See our other projects and request technical information:  
[www.organicroofs.co.uk](http://www.organicroofs.co.uk)

Send us an email:  
[enquiries@organicroofs.co.uk](mailto:enquiries@organicroofs.co.uk)

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