

Planning Condition Number 08 Biodiverse Green Roof

Ref: DC/KNP/22/1497/FUL/FUL



Project:
32 Haverfield Gardens,
Richmond,
TW9 3DD

1.0 Introduction

This report has been prepared by Kisiel Ltd in relation to works at 32 Haverfield Gardens, Kew, TW9 3DD.

Planning permission was granted on 10th February 2023, ref DC/KNP/22/1497/FUL/FUL, and this report relates to the discharge of pre-commencement planning condition 08:

U0150125 NS05 Biodiverse Green/Brown Roof

Prior to commencement of superstructure works (excluding site investigations and demolition), details of the biodiversity (green/brown) roof(s) shall be submitted to and approved in writing by the Local Planning Authority, including details of maintenance. The biodiversity roof(s) shall be biodiversity based with extensive substrate base (min depth 80mm). The biodiversity roof shall be implemented in accordance with the details approved and planted/seeded with the agreed mix of species within the first planting season following the practical completion of the building works.

REASON: To enhance nature conservation interest

Biodiverse Green/Brown Roof

- M-Tray® green roof system consists of specially designed modular trays containing superior, engineered substrate, and fully established flowering sedum.
- Easy-to-carry trays which click together to form a seamless green roof.
- M-Trays® are designed to click together forming a single verdant surface.
- Once trays are connected, they start to blend straight away, forming a seamless layer of vegetation.
- Modular M-Trays® can be easily lifted out giving access to the deck without disruption to the rest of the roof.

Technical Data:

Product : M-Tray® Modular Green Roof

Type of construction : Permanent

Width / breadth : 500mm x 500mm

Height : 100mm

Shape of walls / sides : Tapered / angled

Units per m2 : 4

Material : Recycled polypropylene

Thickness of material : 3mm
Internal ridge height / reservoir height : 20mm
Number of internal drainage reservoirs : 25
Drainage holes per unit : 8

Distance between trays at base : 20mm

Distance between trays at 50mm from base : 10mm

Dry weight (empty) : 1.1Kg

Weight field capacity1 : 25kg

Connectors Per Unit : 4

Number Of Handles on Underside : 4

Detail Of Corners / Edges : Smooth / reinforced









Care & Maintenance

A simple, low maintenance solution supplied layer by layer.

Sedum requires less maintenance than other types of green roof because it is so hardy, and drought resistant but periodic attention is recommended. A green roof is a living thing which will change significantly over the seasons. It will be at its most splendent in the Spring & Summer months and it is important that care and attention to substrate moisture levels, nutrients and weeds is given throughout the year to maintain healthy growth of the vegetation. A maintenance programme for your green roof should be made for regular intervals, especially in the Spring and Autumn including:

Early Spring

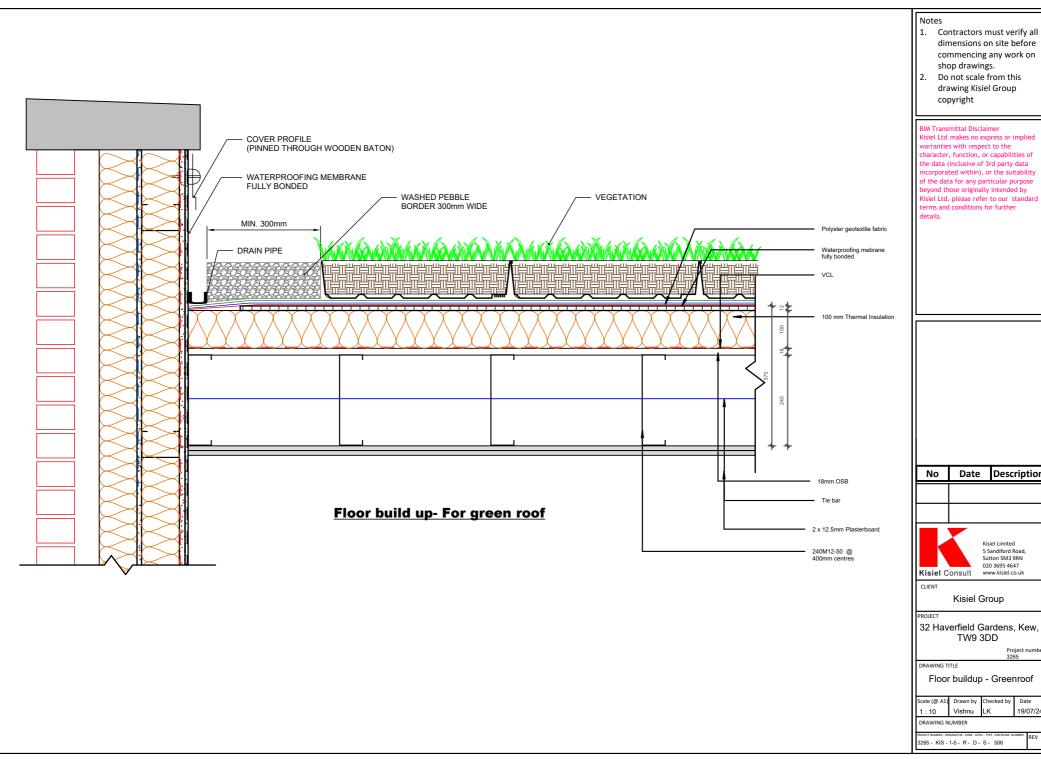
- Removing weeds, especially grass, by hand.
- Removing dead vegetation including leaves and stalks from surface of green roof.
- Clearing debris from drainage outlets.
- "Gapping up" patches of bare substrate by either separating clumps of sedum from the existing roof and planting; buying additional plug plants to insert or spreading sedum cuttings onto the surface of the substrate and watering in fully.
- Cuttings are made by snipping off the tops of the stems from sedum plants. They re-root very efficiently quickly into the substrate.
- Applying Wallbarn Vitax Q4 slow-release granular fertiliser.

Mid-Summer

Watering – Sedum will survive for periods without rain, but if it starts to turn red it is in
distress. Although in times of drought the sedum goes into suspended animation, if in times
of very high temperatures and no rainfall it is possible to irrigate the green roof, do so. An
integrated irrigation system built into the green roof during installation is recommended.

Autumn

- Wait until all sedums and wildflowers have finished flowering.
- Removing weeds, especially grass, using tools to remove all roots.
- Clearing dead vegetation using a rake. Remove dead stalks and other items which can cause a fire hazard. If any dead vegetation is holding seeds post flowering spread these seeds onto the surface of the substrate and rake in where possible.
- Clearing debris from drainage outlets.
- "Gapping up" bare patches with sedum clumps, purchased plug plants or sedum cuttings.
- · Watering in fully.
- Draining irrigation systems before frost appears.
- Applying Wallbarn Vitax Q4 slow-release granular fertiliser.



dimensions on site before commencing any work on

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Date Description

Project numbe 3265

Scale (@ A1) Drawn by Checked by Date 19/07/24



Notes

- 1. Contractors must verify all dimensions on site before commencing any work on shop drawings.
- 2. Do not scale from this drawing Kisiel Group copyright

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Rev	Description	Date
ODE	SUITABILITY DESCRIPTION	
ΓATUS	PURPOSE OF ISSUE	



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32 Haverfield Gardens, Kew, TW9 3DD

Project number 3265

DRAWING TITLE

Section

Checked by Date 22/08/24 DRAWING NUMBER

PROJECT NUMBER - ORIGINATOR - ZONE - LEVEL - TYPE - DISCIPLINE -NUMBER 3265 - 0027A