

90 Bartholomew Road

Planning Application Approval ref: 2024/5094/P Condition 4

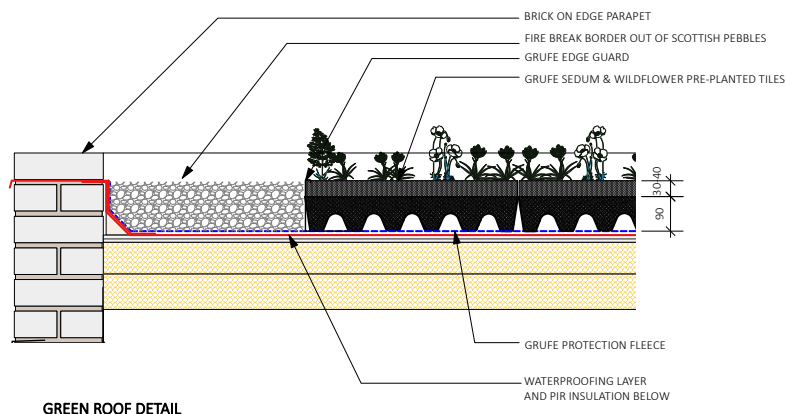
Date: 20.01.2025

### Green Roof Maintenance Procedures

This document should be read in conjunction with drawing P110 Green Roof details and the manufacturer's specification documents and plants list.

#### Detail:

The proposed living roof will use Sedum and Wildflower Grufe tiles. GrufeTiles are supplied with established plant coverage, growing on 60mm 100% recycled growing media. The wildflowers and meadow grasses burst into colour in the Spring and Summer and die back in Autumn and Winter.



**Vegetation & Planting Species:** Consists of a mix of 20-30 wildflower and meadow grass varieties and 8-12 varieties of Sedum. Sedums are hardy, low growing, evergreen plants that look after themselves in the main. For full list of wildflower varieties see separate documents from Grufe.

**Soil:** The media mix (aka soil) used is a special substrate prepared specifically for the GrufeTile, but particular mixes can also be prepared depending on the planting and project requirement.

**Carrier:** Made from recycled Polypropylene, the carrier performs the following roles – a water reservoir, drainage layer, protection from excessive drying of roots from the airspace below, whilst the cups greatly improve product handling making it easier to install.

### **Maintenance Scheme:**

The suggested Maintenance Guide as provided by the manufacturer is to be followed as below:

No immediate aftercare is required at the time of installation. Each GrufeTile comes to site fully established with pre-grown vegetation eliminating the need of any irrigation. But to ensure the GrufeKit green roof continues to thrive and provide these advantages, some maintenance is required.

#### **-Carry out maintenance work in early Autumn**

To ensure the living roof stays in good condition Grufe recommend carrying out maintenance work in early Autumn. This is to prepare the green roof for the winter and to address any stress it would have had from the summer months, including heatwaves, drought, and intense sunlight. By addressing this in autumn, it allows resolution of any issues that may have arisen before the colder months arrive.

#### **-Hand weed and remove unwanted seedlings**

Weeding is a fundamental aspect of green roof maintenance. Grufe recommend carrying out maintenance work in Autumn, as this is when the wildflowers, from the Sedum & Wildflower GrufeTile, will begin to die off, therefore making this a perfect time to trim them.

Unwanted weeds and seedlings can compete with the chosen vegetation, such as sedum, depriving them of nutrients and space. Regularly inspect the green roof and remove any of these invasive plants by hand to ensure that the preferred plant species can thrive without competition.



### **-Feed the roof with organic phosphate and potassium**

Feed the green roof with phosphate and potassium to keep it thriving throughout the autumn and winter months. The phosphate will help the formation of new roots and the potassium helps plants build strong stems and promotes fast growth.

### **-Clear gutters or drainage outlets of vegetation**

Effective drainage is crucial for green roofs. Over time, vegetation or debris can build up in gutters or drainage outlets, obstructing the flow of water. To prevent waterlogging and potential damage, it is important to clear these areas regularly.

### **Sedum will go red when stressed through dry or cold weather when it is low on organic nutrients. Here is what to do if that happens:**

If the green roof has gone red, compared to its usual luscious green, it does not mean it is dead! There are a couple of things to do to help it regain the green. You can either wait for the rain to come or if the rain isn't forecast for a while you might want to irrigate the roof once a week for approximately 1 hour.

