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Green Roof Maintenance Plan

Project: Museum House, Museum Street

Date: 30-09-2016

Product: Bauder Xero Flor XF118

Type: UK Native Species Wildflower Blanket

Description: A mix of hardy wild flowers, alpines and herbs, all of which are considered native

to the United Kingdom.

Installation: Install to mfrs recommendations. Refer to drwg 12041-21-206 for architect's detail

Maintenance

Establishment watering:

- Keep the substrate and blanket damp for a minimum period of 10 weeks using temporary surface mounted sprinklers. Watering should be proactively carried out during this period as required, but only if the substrate/ blanket begin to dry out. Do not over-water.

Preliminary Maintenance Procedures:

- Ensure safe access can be gained to the roof and that relevant Health and Safety procedures are followed when working at roof level. It is advised that the contractor should always seek proof of current maintenance for any man-safe roof access systems prior to proceeding with the work on site.
- In order to avoid a build-up of bio-mass on the roof it is recommended that all dead vegetation is removed with a strimmer and disposed of.
- Remove any unwanted leaf litter that has fallen onto the roof surface both in the spring and autumn, to ensure that this does not smother the vegetation beneath.
- Open the lids of all Inspection chambers, to inspect and ensure that all rainwater outlets and downpipes are free from any blockages and that water can flow away freely.
- Ensure that any protective metal flashings and termination bars remain securely fixed in place. Advise the Building Manager of the need to repair or renew as necessary.
- Examine all mastic sealant and mortar pointing for signs of degradation. Advise the Building Manager of the need to repair or renew as necessary.
- The Building Manager should keep a record of all inspections and maintenance carried out on the roof. Any signs of damage or degradation to the waterproofing should be reported to the manufacturer immediately, in order that arrangements can be made for remedial work to be carried out if necessary.
- Damage to the landscaping should be reported to the Building Manager, who will contact the manufacturer for remedial advice.

Works to adjoining areas - When carrying out any maintenance to adjoining roof areas, care
must be taken not to damage either the green roof landscaping or the waterproofing system.
 If it is considered that either element has been affected, then the manufacturer should be
contacted for advice.

Plant-related maintenance

Plant encroachment:

- Any vegetation which has encroached into drainage outlets, Inspection chambers, walkways and the vegetation barriers (pebbles) should be removed. If movement/settlement of the pebble vegetation barrier has occurred, additional washed stone pebbles similar to the existing are to be added.

Plant Maintenance:

- In the absence of specific instructions from the Building Manager or their designated consultant, advice should be sought from the plant supplier and any maintenance carried out according to their specific recommendations.

Maintenance of the Bauder XF118 Wild Flower Blanket:

- If the Bauder XF118 Wild Flower Blanket has been installed the minimum recommended maintenance of the vegetation is as follows:
 - In the late autumn the vegetation is to be strimmed back to a 50-70mm height and theunwanted waste matter removed and lowered to ground level for composting/disposal.
 - o In late March/April apply an 80g/m2 dressing of Bauder slow release organic fertiliser to the vegetated surface.

Note: Should it be decided that the XF118 Wild Flower Blanket is to be left unmaintained to naturalise it, this will lead to a substantial build-up of dead vegetation on the roof that will over time significantly reduce the number of vegetation species within the blanket.

Weeding:

 With the exception of saplings, which should always be removed, weeds in a bio-diverse green roof should be considered as a problem only of aesthetics, unless they are particularly invasive. If considered undesirable, they can be removed.

Fertiliser:

- Where the vegetation has been provided by Bauder, our organic slow release fertilizer should be applied at a rate of 80g/m2 in the early spring. For all other vegetation it is recommended that advice be sought from the landscape designer and plant supplier and that any fertiliser required is to be applied according to their specific recommendations.

Irrigation:

- The need for irrigation in a biodiverse green roof system is dependent upon the client requirement for the visual appearance of the vegetation. If it is intended that the roof should have colour and interest for the longest period through the growing season, then irrigation will significantly aid in achieving this. Should the requirement be only to deliver biodiversity, then the provision of sufficient watering points at roof level to allow for only occasional watering in periods of prolonged drought can be considered sufficient.

Indicative species list for Bauder Xero Flor XF118:

Flowering Season
June-August
April-October
March-October
June-October
July-September
June-August
July-August
April-October
June-September
July-August
April-August
July-September
June-September
May-August
June-August
July-October
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July-September
July-October
July-August
June-August
June-August
May-August