



# Active Ecology Bio-diverse Green roof specification

## Q37 Green Roof systems

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Green roof Specification for: IPS Roofing Ltd

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Project reference: Finchley Road

Specification reference: AE1293

**Active Ecology Ltd**  
**105 The Ridgeway, Marlow, Bucks SL7 3LH**  
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Q37 Finchley Road

This specification is based on current information available at the time of writing, if any aspects are revised prior to construction, or you require any additional details. Please contact our Technical Services Dept who would be pleased to amend or update the information provided.

## **Q37 - GREEN ROOFS**

To be read with Preliminaries/ General Conditions and Active Ecology current literature. To be read in conjunction with IPS literature

### **110 - GREEN ROOF DETAIL**

As per David Miller Architects drawing references

Job number is 282

Address:

368 - 372 FINCHLEY  
ROAD, NW3 7AJ

The section number is PL10 (FIN-DMA-ALL-RF-DET-A3-PL 10)

The roof plan with green roof is 020-PL (FIN-DMA-ALL-RF-GA-A3-020-PL)

Drainage layer: Plasdain 4+1

Moisture control layers: Aquaten Hydrablanket

Growing medium: AE BDS80.

Depth: 80mm.

Vegetation: AE London mix bio-diverse seed

Accessories: AE Riverstone border

### **210 - GENERAL DESIGN**

Green roof and associated features: Complete the detailed design.

Proposals: Submit drawings, technical information, calculations and manufacturers' literature.

### **255 - MAXIMUM PERMITTED GREEN ROOF LOADS**

Dead loads:

- Green roof layers: 1Kn/m<sup>2</sup>

Imposed loads:

- Activity: 1.5Kn/m<sup>2</sup>

- Vegetation: London wildflower mix

- Allowance for additional loads during construction: None.

Service loads: N/A

Requirement: Restrict site activities to ensure that design loads are not exceeded.

#### 340 - PROTECTION FLEECE

Manufacturer: Nophadrain / Active Ecology 105 The Ridgeway Marlow Bucks SL7 3LH

Product reference: NDFV105-250 .

Material: Spun Bonded polyester filter layer. (bonded to drainage layer)

Mass: 250g/m<sup>2</sup>

#### 350 - DRAINAGE/MOISTURE RETENTION LAYER

Manufacturer: Nophadrain / Active Ecology 105 The Ridgeway Marlow Bucks SL7 3LH

Product reference: ND 100

Material: HDPS

Depth: 8mm

Infill: Not Required

#### 360 - PROTECTION FLEECE

Manufacturer: Nophadrain / Active Ecology 105 The Ridgeway Marlow Bucks SL7 3LH

Product reference: NDFV105-250 .

Material: Spun Bonded polyester filter layer. (bonded to drainage layer)

Mass: 250g/m<sup>2</sup>

#### 365 - MOISTURE RETENTION LAYER

Manufacturer: Aquaten / Active Ecology 105 The Ridgeway Marlow Bucks SL7 3LH

Product reference: Aquaten Hydrablanket

Material: Attenuating Silicon fibre blanket

Dry weight: 384gsm

Wet weight: 10kg/m<sup>2</sup>

#### 370 - BIODIVERSE GROWING MEDIUM

Manufacturer: Active Ecology 105 The Ridgeway Marlow Bucks SL7 3LH

Product reference: AEBDS-80

Material: Expanded clay, brick and organic compost substrate.

Depth: 80mm

Ameliorant/ conditioner: Not Required

Coverage: N/A

Fertilizer: Not required

#### 400 – VEGETATION - SEED

Manufacturer: Active Ecology 105 The Ridgeway Marlow Bucks SL7 3LH

Product reference: UKWF - LM

Planting Mix: UK native wildflower and wild grass mix at 3gsm coverage

Vegetation coverage: 0% at installation

## 800 - VEGETATION BARRIER TO GREEN ROOFS

Manufacturer: Active Ecology 105 The Ridgeway Marlow Bucks SL7 3LH

Material: 20-40 mm riverstone round-washed pebbles.

Colour: multi-colour

Depth: 80 - 100mm. .

Width: Minimum 300mm .

## 700 - INSTALLATION GENERALLY

Preparation: Clear all surfaces of debris.

- Timing: After certification of waterproof membrane integrity.

- Surface condition: Visually inspect waterproof membrane, report any damage.

Faults in waterproof membrane: Report.

Contamination: Do not use materials detrimental to healthy plant growth.

Storage: Do not overload.

- Point loads: Avoid.

Outlets: Do not block.

- Outlet grilles: Installed.

## 720 - ADVERSE WEATHER

Unfinished work: Secure from damage and wind uplift.

Conditions: Do not install or work with frozen materials.

## 770 - DRAINAGE LAYER INSTALLATION

Extent: Continuous over entire roof area.

Fitting: Loose laid directly onto the protection fleece

## 780 - 770 - MOISTURE LAYER INSTALLATION

Extent: Continuous over entire roof area with loose butt joints.

Fitting: Loose laid directly onto the filter fleece

## 790 - GROWING MEDIUM INSTALLATION

Handling: Minimize.

Conditions: Handle in the driest condition possible. Do not handle or install when wet or frozen.

- Layers:

-Depth 80mm

-Sequence: Gently firm each layer before spreading the next.

## 800 - SEED INSTALLATION

-Broadcast seed by hand in a random manner

## 910 - INSPECTION

Timing: Before handover.

- Give notice

## 920 - COMPLETION

General: Leave the works in a clean, tidy condition.

Surfaces: Clean immediately before handover.

Outlets: Clean and clear of obstructions.

Completed green roof: Protect from adjacent or high level working.

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