

Green Infrastructure for Install of solar panels on main roof at 30 Victoria Street, Merthyr Tydfil



The proposal

Install solar panels on main roof. The site has no front or rear garden and the front door is directly onto the street, the rear door also comes directly onto the street.

What green infrastructures have/will have been removed to facilitate the development –

No green infrastructure will be removed install the solar panels

How are the retained features being protected during development

There are no current green infrastructure.

Existing Green Infrastructure assets

Existing Trees

There are no trees.

Existing Hedgerows

There are no hedges.

Scrub

There are no existing shrubs on site.

Semi-Improved Grassland

There is existing self-improved grassland on site. None will be affected by this development.

PROPOSED GREEN INFRASTRUCTURE

In order to comply with current planning policies, the works will include the installation of bat box to the external East elevation, namely

New batbox see drawing no VS-07

A Elisa Wood Concrete Bat box

<https://www.nhbs.com/elisa-bat-box>

New bird box see drawing no VS-07

One of the following https://www.nhbs.com/vivara-pro-woodstone-house-sparrow-nest-box?bkfno=238831&ca_id=1495&adlocale=uk&gad_source=1&gad_campaignid=23069538718&gbraid=0AAAAAD_IBbhiFJixgGr0wPUnnWwCdPFcZ&gclid=Cj0KCQiA5ablBhCaARIsAM3-zFVQXUdN1_gnZ4oXE_5EFejFio1n6tgkGZpNABzFS6H0eWEpzWFwgEgaAq5IEALw_wcB

Bird Box will be attached to the Eastern Elevation of the property. The bird boxes will be positioned at a height of no less than 3.5m from the ground. No external lighting will be placed on this elevation

Lighting

There will be no external lighting fitted to the property as the area will be covered by CCTV.

SUMMARY

Site GI assets and connectivity are generally limited.

GI / Habitat losses will be adequately compensated with new bat and bird boxes.

Long Term Maintenance Bat Box

The Elisa Wood Concrete Bat box is designed to provide bats with a safe and comfortable environment year-round, accommodating both summer roosting and winter hibernation. Its insulated construction helps maintain optimal temperatures, protecting bats from extreme heat in summer and cold in winter.

Maintenance Guidelines:

- **Cleaning:** Elisa bat boxes are designed to be maintenance-free. This model, in particular, requires no cleaning, providing years of shelter without intervention.
- **Inspection:** While cleaning isn't necessary, it's beneficial to inspect the roost periodically to check for any damage or structural issues. If repairs are needed, ensure the roost is unoccupied before making any modifications.

Additional Tips:

- **Avoid Disturbance:** Refrain from opening the roost during May to July to prevent disturbing nursery roosts. Similarly, avoid inspections from November to April to prevent disrupting hibernating bats
- **Monitoring Occupancy:** To determine if the roost is occupied, observe it at dusk for about 30 minutes after sunset, watching for bats emerging. Presence of guano beneath the roost can also

indicate occupancy.

Long Term Maintenance Bird Box

To properly maintain a Vivara Pro WoodStone House Sparrow Nest Box in the UK, follow these guidelines:

- **Frequency:** Clean the nest box once a year, ideally in autumn (September–October), after the breeding season. This prevents parasite build-up and prepares the box for winter roosting.
- **Avoid disturbing** the box during nesting season (March–August), as house sparrows may reuse the same box multiple times.

Cleaning Steps

- **Open the access panel:**

The WoodStone design typically features a small door or removable panel for easy access

- **Remove old nesting material:**

Wear gloves and use a small stick or brush to gently remove the used nest.

- **Disinfect the box (if needed):**

Use boiling water to kill parasites. Avoid using chemicals or detergents, as they can leave harmful residues.

- **Dry thoroughly:**

Ensure the box is fully dry before reassembling it.

The management and maintenance of the wildlife boxes (bat and bird) will be in perpetuity. The Bird & Bat boxes must be installed before the Solar Panels are completed.

GIS prepared by S Jones

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