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Bat Survey Report (preliminary day-time survey):
6A Lyndale Close,
Wilpshire,
BB1 9LX

OS grid reference: SD 6927 3321

Commissioned-by: Sarah Proos

Survey Date: 31/5/24

Report Date: 7/5/24

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N.b. Copywrite applies to all my reports and they must not be altered in any way whatsoever by anyone other than myself, or combined with any other report/s, irrespective of who wrote them, without the proposed changes being submitted to me in writing and agreed by me in writing.

1. Summary.

(This summary should be read in conjunction with the conclusions and recommendations.)

This is a small, detached bungalow in an essentially rural area. There is immediate access available to good bat feeding habitat. It has been completely stripped-out internally, including walls and ceilings.

Given the small size of this property, its thin tile roof and the internal condition, there's a surprising amount of bat roosting potential available under tiles and into walls.

I've assessed the bat roosting potential as at least moderate for individuals and small numbers, though the potential for use by a maternity colony with dependent young in summer is low.

Good Practice Guidelines suggest even low risk buildings should have a bat activity survey (emergence at dusk or to return-to-roost at dawn) when the findings of the initial survey were negative. Those at moderate risk should have two.

As bats use buildings in different ways over the course of the season, often changing roost; if more than one survey is necessary it is my usual practice to undertake one in both the first and second half of the main accepted bat survey period (May to August) inclusive and to separate them by at least a month.

Further recommendations will be made based on the findings.

The confirmation of roosting would not preclude development but would require an appropriate licence from Natural England if the roost were to be impacted by the work, as seems inevitable here.

As roosting potential will inevitably be lost to the development; to accord with the biodiversity objectives of the National Planning Policy Framework and the spirit of Biodiversity Net Gain, the opportunity should be taken to install integrated bat boxes in the external structure.

Care should be taken when planning any lighting on the site, to ensure any potential roosting features provided are appropriately shielded.

Irrespective of the findings of future survey work, it cannot be guaranteed that no bat will ever be roosting here. Therefore, the work should be done by contractors who are familiar-with and sympathetic-to the law relating to bats. They should be aware of the roosting behaviour of the common/soprano pipistrelle bat; and be competent to recognise bat droppings if present. If there is *any* doubt about their expertise with respect to bats, the bat consultant MUST attend site to provide a tool-box-talk before work commences and be present at least as work starts to ensure due care is being taken.

Contractors must understand that if at any time a bat or droppings that may have come from a bat are found work **must** stop **immediately**. They have a legal obligation to do this. As far as practicable the feature that was sheltering the bat/s should be replaced. Further advice **must** then be sought from the bat consultant before work continues, even if the bat has flown off or droppings appear old.

2. Introduction

I was asked to assess the importance of this property to bats as part of the planning process, prior to it being refurbished and upgraded with the addition of dormer accommodation.

Incidentally I comment on any issues discovered with respect to other protected/priority/invasive species and species of conservation concern.

This is a small, modern, detached bungalow:





Front (north-facing) elevation and eastern gable end

It is in an essentially rural location with immediate access for bats to high-quality feeding habitat and good links with the wider countryside:



Location of property indicated by red circle

The nearest water body is about 1.3Kms away.

The pipistrelle bat (2 species: *Pipistrellus pipistrellus -* the common pipistrelle, and *Pipistrellus pygmaeus -* the soprano pipistrelle) is common and widespread in the area.

Roosts of these species can occur in any building that provides suitable roosting crevices, with the risk of bat presence increased by close proximity to good bat feeding habitat and commuting routes; for example tree-lines, hedges, woodland, scrub and water courses and bodies. The bats use different roosts at different times of year, sometimes singly and sometimes in large groups of females with dependent young. They can move frequently and unpredictably between the roost sites known to them. The majority of house-holders with a roost of these species are unaware of it.

In summer females gather together each with their single off-spring in, sometimes large, maternity colony groups. Disturbance can cause the abandonment of babies (pups). In autumn when the young are independent, females visit males to mate. In winter the bats hibernate and rousing from hibernation - a slow process - can result in a depletion of fat reserves that may compromise the bats' ability to survive the winter. Females become pregnant in spring when their food (insects) becomes available again.

Pipistrelle bats in particular are extremely small, weighing about 5g (the weight of a 2p coin) so need only the smallest of gaps in order to enter to roost; often making use of external features and wall cavities without leaving signs in the loft/interior.

A data search from the National Biodiversity Network discovered 4 records of common pipistrelles within 500m of the location between 1986 and 1990. None were within 100m. Due to the historic nature of the records the sources were not examined and have not been acknowledged. The noctule (*Nyctalus noctula*) had also been recorded within 1-2kms away.

I recently recorded a roost, apparently of pipistrelle bats, about 1.3kms away. I have also recorded a maternity colony roost of whiskered bat (*Myotis mystacinus*) around 900m away in recent years.

A search of DEFRA's Magic database discovered that two bat European Protected Species licences had been granted for developments about 2kms away – one for common pipistrelle and the other for Natterer's (*Myotis nattereri*).

Other species likely to occur within 2 kilometres are the brown long-eared (*Plecotus auritus*), Brandt's (*Myotis brandtii*) and Daubenton's (*Myotis daubentonii*).

3. Bats and the Law

All British bats and their roosts are legally protected under the Wildlife and Countryside Act of 1981 (as amended) and the EC Habitats Directive of 1994 as implemented by the Conservation of Habitats and Species Regulations 2017.

Where a development will destroy a bat roost, a Low Impact Class Licence or a European Protected Species Licence (Mitigation Licence) is required before the roost can be interfered with in any way. The former applies in cases where only small numbers of common species of bat are using the building within certain parameters. It usually takes approximately 2 weeks for these licences to be issued, whereas the turn-around time for a full European Protected Species Licence is approximately 7 weeks once the application has been submitted. Any licence issued is a legally binding document.

Licences can only be issued providing planning permission has been granted, where applicable.

When a roost is found, both the bat consultant and the planners have to apply the "three tests" required by Natural England. Essentially these are:

- That the development is necessary for the purpose of "preserving public health or public safety or other imperative reasons of overriding public interest, including those of a social or economic nature and beneficial consequence of primary importance for the environment";
- That there is "no satisfactory alternative";
- That the action authorised "will not be detrimental to the maintenance of the population of the species concerned at a favourable conservation status in their natural range".

N.b. The way in which the necessity is assessed includes whether the client has an alternative that it would be reasonable to expect them to adopt.

Necessary mitigation and compensation measures to ensure the favourable conservation status of bats will be maintained, would include appropriate timing and methodology for the work, including details of how the bats will be provided-for in the long term.

Planners are required by the Government to satisfy themselves before granting planning consent that it would be possible for a licence to be obtained if necessary. Accordingly they are obliged to apply the three tests before issuing consent. For this reason enough survey work has to have been undertaken that the planning authority can evaluate whether or not the three tests can be satisfied and what degree of compensation/enhancement is necessary. To avoid delays in obtaining consent it is in the client's best interest to find out sooner rather than later whether any bat roosting issues need to be addressed.

Natural England, the Government body responsible for administering the law relating to bats, have issued guidelines to planners on how to proceed with respect to bats

Outside the planning system, the onus is on developers/members of the public, to have sufficient investigations undertaken to satisfy themselves (and the authorities in the event of a subsequent investigation), that their actions are unlikely to be in contravention of bat legislation.

<u>N.b.</u> It should always be remembered that bats often roost in places not anticipated by a lay person, such as modern buildings, trees with cavities, and bridges. Some leave no signs in lofts, as they roost underneath external features such as roof slates, ridges, weather-boarding and cladding.

In the case of a building, tree or other feature not already known to be a bat roost, if bats are found during the course of work, contractors are legally obliged to stop work and seek advice. This should be from an appropriately experienced and licenced bat ecologist.

Additional Relevant Legislation and Policy.

Between 1995 and 2010 certain more vulnerable habitats and species were the subject of National or Local Biodiversity Action Plans. This strategy for the protection of biodiversity has been superseded by UK post-2010 Biodiversity Framework, which is largely now implemented at county level. Internationally The Convention on Biodiversity produced a Strategic Plan for Biodiversity 2011-2020. Further to this the EU Biodiversity Strategy was launched in 2011.

Section 41 of the Natural Environment and Rural Communities Act 2006 lists species "of principal importance for the purpose of conserving biodiversity". The list was up-dated in 2014 and includes the brown long-eared bat (*Plecotus auritus*), noctule (*Nyctalus noctula*) soprano pipistrelle (*Pipistrellus pygmaeus*) and 4 other bat species.

The National Planning Policy Framework of 2012 (2) states that "the planning system should contribute to and enhance the natural and local environment" by a number of means, including "minimising impacts on biodiversity and providing net gains in biodiversity where possible, contributing to the Government's commitment to halt the overall decline in biodiversity, including by establishing coherent ecological networks...."

4. Survey

I made a daytime visit on **31/5/24** to undertake a preliminary survey of the building, assess its likely importance to bats and advise whether or not a precautionary approach or further survey work is needed.

Having been involved with bat survey work for 37 years and consultancy work for 28 years, it is always my objective to carry-out my work in a manner consistent with accepted Good Practice Guidelines (3) and consistent with the code of practice of the CIEEM. I hold Natural England Class Licences CL21 (Annex B) and 18. Amongst other things these cover me to apply for Low Impact Licences for clients and undertake bat survey work. I also have a CL29 Barn Owl Class Licence. My credentials are expanded-upon in Appendix 1. The basic criteria I use for assessing the level of risk of roosting are given in Appendix 2.

As far as possible, I surveyed the building inside and out with the aid of surveyor's ladders, 2 million candle-power torch, camera with 6x optical zoom and binoculars (8x42). Head-torch, 10x 50 binoculars, fibrescope (6 and 13mm heads, extendable to 2m), camera with 18x zoom and mirrors were also available if needed.

I was looking for access to potential roosting places and evidence of their use, such as droppings and staining.

I also take into consideration the surrounding habitat and the range of bat species it appears likely to support, along with the quality of the habitat linkages with the wider area.

The survey was conducted with the needs of different species of bat over the seasons in mind.

Incidentally I comment on any relevant issues discovered with respect to bat feeding habitat and commuting routes, possibly including likely roosting sites nearby, as well as any relevant findings with respect to other protected/invasive species, biodiversity priority species and species of conservation concern.

5. Limitations of the survey

This was a preliminary survey to discover whether there are obvious signs of use by bats and to assess potential for use. If potential exists, usually follow-up work is required at dusk or dawn, possibly at a more appropriate time of year.

The interior of the property has been gutted so all that remain are the walls and roof.

It should be noted that droppings are the sign most frequently found, but they are often deposited in areas that cannot be easily visualised, if at all, and they can turn to powder quite quickly. They are usually soon washed and blown away from exposed external surfaces so evidence of use often doesn't last long and pipistrelle bats in

particular can change roosts frequently. However an assessment has been made of potential bat roosting places associated with the exterior of the building.

6. Findings

There is good bat feeding habitat immediately adjacent to the building and the garden of the property is becoming overgrown with brambles:





View from property looking north-west and east respectively

The interior has been completely stripped out, including the internal walls and ceilings, making the interior relatively unsuitable for use by roosting bats:





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The internal surfaces of the upper gable walls were inspected as well as possible, for evidence of past roosting in the form of droppings attached to the walls:





There are places where bats could enter the walls from the interior and vice versa, but no evidence of past roosting was seen.

The roof-tiles are thin so generally close-fitting and are lined with bitumastic felt. There are a few places, mainly at gable ends, where bats could get beneath the tiles however:







There's a gap at the west-facing gable apex allowing bats potential access under the ridge:



Verge mortar-work and eaves-boxing is missing in places:



There is some potential access available into walls:



Air-vents also appear suitable for providing potential bat access into walls:





7. Conclusions/Discussion

Appendix 2 gives an outline of the criteria used in assessing the level of risk of use by bats.

Given the size of this property, the thin tile roof and the internal condition, there's a surprising amount of bat roosting potential available, with immediate access for bats to good feeding habitat.

I've assessed the bat roosting potential as at least moderate for individuals and small numbers, though the potential for use by a maternity colony with dependent young in summer is low.

Good Practice Guidelines suggest even low risk buildings should have a bat activity survey (emergence at dusk or to return-to-roost at dawn) when the findings of the initial survey were negative. Those at moderate risk should have two. See Appendix 3. These should be undertaken during the accepted bat activity survey season of May to August/September inclusive.

As bats use buildings in different ways over the course of the season, often changing roost; if more than one survey is necessary it is my usual practice to undertake one in both the first and second half of the main accepted bat survey period (May to August) inclusive and to separate them by at least a month. This both allows time for a third if there is any ambiguity about the results and reduces the chance of missing pipistrelle mating roosts, if present, in the later part of the summer. Although surveys can be spaced at three-weekly intervals, this is only acceptable from a good practice perspective if such close spacing can be justified.

It will not be possible to undertake the bat activity survey work safely and effectively without some clearance of brambles. Fortunately, these currently are not very dense yet so probably are not being used by nesting birds. The clearance of a path to a vantage point to the south-east of the property should be possible. Clearance should be kept to a minimum however until the bat activity survey work is completed and in case any nesting by birds is taking place.

A surveyor will also need to be positioned to the north-west on the neighbouring plot and parking availability close to the plot will be necessary.

The confirmation of roosting would not preclude development but would require an appropriate licence from Natural England if the roost were to be impacted by the work, as seems inevitable here.

Irrespective of the findings of future survey work, it cannot be guaranteed that no bat will ever be roosting here. Therefore, the work should be done by contractors who are familiar-with and sympathetic-to the law relating to bats. They should be aware of the roosting behaviour of the common/soprano pipistrelle bat; and be competent to recognise bat droppings if present. If there is *any* doubt about their expertise with respect to bats, the bat consultant MUST attend site to provide a tool-box-talk before work commences and be present at least as work starts to ensure due care is being taken.

Contractors must understand that if at any time a bat or droppings that may have come from a bat are found work **must** stop **immediately**. They have a legal obligation to do this. As far as practicable the feature that was sheltering the bat/s should be replaced. Further advice **must** then be sought from the bat consultant before work continues, even if the bat has flown off or droppings appear old.

As roosting potential will inevitably be lost to the development, to accord with the biodiversity objectives of the National Planning Policy Framework and the spirit of Biodiversity Net Gain, the opportunity should be taken to install integrated bat boxes in the external structure. See Appendix 4.

Care should be taken when planning any lighting on the site, to ensure any potential roosting features provided are appropriately shielded. (4)

8. Recommendations

These recommendations should be read in conjunction with the conclusions above.

Have two bat activity surveys undertaken as out-lined above.

Safe access into the south-eastern part of the garden, which is currently becoming overgrown with brambles will be necessary. A surveyor will also need to be positioned on the neighbouring plot.

Further recommendations will be made as necessary based on the findings.

Provide for bats by means of integrated bat boxes in the external walls.

9. References

- 1. Eaton, M. A. et al. (2015). Birds of Conservation Concern 5: the status of all regularly occurring birds in the UK, Channel Islands and Isle of Man. British Birds 114: 723-747.
- 2. Department for Communities and Local Government (2012). National Planning Policy Framework.
- 3. Ed. by Collins, J. (2023). Bat Surveys for Professional Ecologists: Good Practice Guidelines Fourth Edition. Bat Conservation Trust.
- 4. Bat Conservation Trust (2018). Guidance Note 8/18: Bats and Artificial Lighting in the UK.

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Appendix 1 - Angela Graham's Experience.

- I hold Natural England Class Licences CL21 (Annex B) Registered Consultant 163 - and CL18 (CL18 (2015 11871 - CLS-CLS). CL21 covers me to apply for Low Impact Class Licences for clients - a more stream-lined system for quickly obtaining a licence from Natural England when a roost of a small number of common bat species will be impacted-upon by the development. CL18 covers me for survey/consultancy/scientific work. I have a supplementary licence to possess up to 10 live/dead bat specimens (20123429). I have a CL29 licence to disturb barn owls.
- I'm a member of The Chartered Institute of Ecology and Environmental Management.
- I undertake my work in accordance with the principles outlined in the Bat Conservation Trust's "Good Practice Guidelines".
- I have been involved in bat conservation for over 30 years, initially as a member of the South Lancashire Bat Group from its inception in 1987 and as a volunteer with the Nature Conservancy Council (NCC) - first licenced in 1989. Later, and for many years, I was Co-ordinator/Chair and Trainer for the South Lancashire Bat Group. I trained the people who currently run the group, one of whom has been a Trustee for the Bat Conservation Trust. I was a founder member of the Greater Manchester Bat Group in 2002 and ran the group for 4 years.
- Over the last 27 years I have done increasing numbers of bat surveys on a consultancy basis, firstly part-time then full time from December 2003.
- My experience in applying-for European Protected Species Licences with respect to bats spans over 20 years.
- From 2003 to 2008 I represented the bat groups of the north-west region at national bat worker meetings, hosted by the Bat Conservation Trust.

Other experience includes:

- Attending bat-worker conferences every year since 1988 (mainly England, some in Wales) plus additional symposia on specific topics such as mitigation and woodland bats.
- Helping with winter surveys of underground hibernation sites in Clwyd and north Lancashire.
- Participating in "Bat Detector Workshops" during the 1990s in different areas of the country, concerned with locating bat roosts and feeding sites/commuting routes.
- Sitting on local council "Wildlife Advisory Groups" (WAGs) in the Greater Manchester area from the early 1990s until around 2005.
- Helping local authorities and the Greater Manchester Ecology Unit formulate their Biodiversity Action Plans for bats.
- Administering the bat casework for English Nature (now Natural England) in the South Lancashire and Greater Manchester areas over 1998-2000.
- Assisting with research involving mist netting, harp trapping and radio-tracking.
- Continuing to attend courses run by recognised experts to ensure I stay up-to date both with respect to bat survey-work and conservation, and issues such as health and safety.
- Re-passing the Construction Site (CITB) Operatives test in June 2017.
- Contributing to the Bat Conservation Trust's survey standards guidelines.

Other ecological experience includes:

- Bird watching for fun since 1982 with a general interest in wildlife, ecology and conservation for a similar period.
- Attending short courses and field training with respect to grasses, flowering plants, British mammals including water voles, reptiles and amphibians, non-native invasive plant species, Extended Phase 1 Habitat Surveying, National Vegetation Classification, Environmental Impact Assessment and use of GIS.
- Taking part in British Trust for Ornithology breeding bird surveys annually.
- A year-long sandwich placement assisting with badger research, including radiotracking.
- Short periods of voluntary work with the Lancashire Wildlife Trust and Royal Society for Protection of Birds.

Appendix 2 - Personally-devised criteria used in assessing risk of roosting (in the absence of obvious evidence at the preliminary survey).

Risk of roosting	Definition	Suggested Action
Nil	Whole of structure/tree can be seen well enough to be sure there are no roosting opportunities.	No need to consider bats further unless development is delayed and potential roosting places might develop in time.
Minimal/ negligible	All or most of structure/tree can be seen well enough to suggest there are few, if any, places suitable for roosting and the location does not provide easy access to potential feeding grounds.	Although roosting is thought to be unlikely and therefore the development is unlikely to impact on the favourable conservation status of bats, a precautionary approach should be taken in relevant areas at the time of the work. Further survey work needed only if development delayed.
Low	Whole of structure/tree can be seen well enough to know there are no more than a few openings that could be used by an individual bat or two and/or these provide access to the sorts of features that are likely to be suboptimal due to materials and/or conditions within (eg unstable temperature); and/or the location provides limited access to potential feeding grounds.	Although regular roosting is thought to be relatively unlikely and the development is unlikely to impact on the favourable conservation status of bats, a single survey at dusk or dawn in favourable weather conditions would be appropriate to accord with good practice. This would reduce the extent to which the judgement is based on speculation. If the findings were ambiguous e.g. possible bat emergence and/or considerable bat activity around the building, the survey would need repeating.
Moderate/ medium	A small number of openings are present in an area of reasonable habitat, and at least some seem likely to provide access to good conditions for roosting bats, and/or a loft/hay-loft is present that appears to have good qualities for roosting but there were limitations to access or no evidence of bats was found at the time. Cellars may be assessed as potentially being suitable for hibernation in winter,	Further work is needed to better assess the abundance of bat activity in the vicinity and whether or not bats seem to make use of the roosting potential available. To accord with good practice a dusk emergence survey and a dawn return-to-roost survey will be necessary. A second inspection of the interior may also be necessary - if the survey was undertaken in winter for example. As the absence of bats on two occasions wouldn't guarantee absence at other

	but the conditions and/or location aren't optimal.	times, possibly including winter, some precautions would be needed at the time of the work and some roosting potential should be retained/re-created. In the case of cellars and equivalent, inspection in winter is necessary. Some work, for example pointing old stone walls, should be avoided in winter.
High	There is at least one feature that is typical of those favoured by bats for regular roosting and it/they provide access to abundant insect food on-site and/or via good links with the wider natural environment. The feature/s could be suitable for use by a maternity colony, either as a main or satellite roost, or by a territorial male in autumn in the case of pipistrelles, or by individuals or small numbers of bats at any time of year, including winter when hibernating.	The extent to which bats of different species make use of the potential available needs to be investigated by carrying-out at least 3 surveys at dusk and/or dawn spaced over the months of May to September inclusive, possibly extending into April or October if weather conditions are favourable. (Air temperature above 8°C and not more than light rain and/or gentle breeze. I generally plan to do surveys only when the forecast is for 10°C or above.) Maternity colonies have largely disbanded by September, but territorial male pipistrelles may be missed without a survey in September and a lot of smaller roosts are discovered at this time of year. As bats could hibernate unseen in winter and/or roost at other times not covered by the survey work, appropriate precautions would be needed at the time of the work along with maintenance of appropriate potential roosting places.
High - hibernation only	Cave-like places with stable conditions and high humidity, such as cellars can be used for hibernation in winter.	High-risk potential hibernation sites need at least 3 inspections spaced over the winter months as bats will move between sites depending on the weather conditions.

Appendix 3 - Recommendations for further survey work when the findings of the preliminary survey were negative.

N.b. new Good Practice Guidelines were published in late 2023, but the guidance has changed little from that shown below, except to extend the recommended minimum period between surveys to 3 weeks and put more emphasis on the use of infra-red recording equipment.

Low roost suitability	Moderate roost suitability	High roost suitability
One survey visit. One dusk emergence or dawn re-entry survey [®] (structures). No further surveys required (trees).	Two separate survey visits. One dusk emergence and a separate dawn re-entry survey. ^b	Three separate survey visits. At least one dusk emergence and a separate dawn reentry survey. The third visit could be each dusk or dawn.b

Taken from "Bat Surveys for Professional Ecologists: Good Practice Guidelines", 3rd Edition (2)

Low roost suitability	Moderate roost suitability	High roost suitability
May to August (structures) No further surveys required (trees)	May to September ^a with at least one of surveys between May and August ^b	May to September ^a with at least two of surveys between May and August ^b

September surveys are both weather- and location-dependent. Conditions may become more unsuitable in these months, particularly in more Northerleylatitudes, which may reduce the length of the survey season.

Multiple survey visits should be spread out to sample as much of the recommended survey period as possible; it is recommended that surveys are spaced at least two weeks apart, preferably more, unless there are specific ecological reasons for the surveys to be closer together (for example, a more accurate: count of a maternity colony is required but it is likely that the colony will soon disperse). If there is potential for a maternity colony then consideration should be given to detectability. A survey on 31 August followed by a mid-September survey is unlikely to pick up a maternity colony. An ecologist should use their professional judgement to design the most appropriate survey regime.

Taken from "Bat Surveys for Professional Ecologists: Good Practice Guidelines", 3rd Edition (2)

Appendix 4 – examples of available integrated bat boxes

N.b. An internet search for "integrated bat boxes" will bring up types and suppliers of these boxes but advice from the bat consultant should be sought before they are ordered.

EcoSurv Habibat

http://www.habibat.co.uk/category/bat-boxes

"Designed to be built into an exterior wall and is available in a variety of faces to match the building. Standard facings of red or blue brick - ideal for new builds - are normally available from stock, or boxes can be made to your specific requirements with a face of brick, stone, timber, or plain (for rendering). Supplied un-pointed."





Example of Habibat boxes Can also be faced with stone.

Ibstock Ecozone

https://www.ibstock.co.uk/product/ecohabitats/bat-box?page=1&







Above: typical unit in situ. Photo © Angela Graham



Cast Stone.

https://www.clickcaststone.co.uk/products/cast-stone-ecohabitats/shop/cast-stone-bat-box/



Dimensions: $440 \times 100 \times 215$ mm, with a 60×55 mm aperture.



Above: typical unit of this design in situ. Photo © Angela Graham

Green and Blue Bat Block/Brick

https://www.greenandblue.co.uk/products/bat-block-bat-brick



Green and Blue Bat Block/Brick in situ

Schwegler 1FR/2FR

An internet search for Schwegler bat boxes will readily bring up suppliers of these boxes





Schwegler 1FR/2FR

Appendix 5 - Natural England requirements for roof lining materials

Condition 39 of the CL21 Bat Mitigation Class Licence (Low Impact) documentation reads:

"Should this licence require the use of roof membranes, Bitumen type 1F felt with a hessian matrix, or a non-bitumen coated roofing membrane (NBCRM) with a test certificate approved by Natural England, must be used."

If it is proposed to use NBCRM in areas where it may come into contact with roosting bats the licence applicant must state the intention to use NBCRM.

A certificate must be included that proves the roofing membrane has passed a 'snagging propensity test'.

A snagging propensity test checks that the membrane can stand the repeated snagging actions of roosting bats.

To pass, a membrane must show no change in the average number of loops per cm2 as rotations are increased from 0 to 1000.

The certificate must state the following information:

- The organisation that has carried out the snagging propensity test (this must be an independent body to the manufacturer of the NBCRM itself).
- Declaration that the snagging propensity test followed the correct testing protocol.
- Declaration that the snagging test has been passed.

No certificate is needed for bitumen 1F felt that has a non-woven, short fibre construction."