

MERTHYR VALLEY HOMES

THE GREEN FLATS, TREFECHAN, MERTHYR TYDFIL

BAT SURVEY REPORT

JANUARY 2022



soltysbrewster

4 Stangate House,
Stanwell Road,
Penarth,
Vale of Glamorgan,
United Kingdom.
CF64 2AA

Telephone:- 033 00 13 00 12
e-mail:- enquiry@soltysbrewster.co.uk
Web Site:- www.soltysbrewster.com

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THE GREEN FLATS, TREFECHAN, MERTHYR TYDFIL

BAT SURVEY REPORT

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Issue	Revision	Stage	Date	Prepared by	Approved by	Signed
1	-	Draft	13 th September 2021	Dr D. Fry (Associate Ecologist)	Dr M Watts (Director)	
1	1	Final	17 th January 2022	Dr D. Fry (Associate Ecologist)		

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SUMMARY

Soltys Brewster Ecology were commissioned by Merthyr Valley Homes (the client) to undertake an ecological appraisal at The Green Flats, Trefechan, Merthyr Tydfil. The proposal is to construct a new pitched roof over the existing flat roof. A planning application has been submitted and an ecological appraisal requested.

Consultation with SEWBreC confirmed that the property and its associated curtilage do not fall within or adjacent to a site designated for nature conservation. There are no sites designated for bats within the 10km search buffer. The data search returned a total of three hundred and twenty records for bats of at least nine species. The majority of these are for more common species such as Pipistrelles but there are also records for other species such as Brown Long-eared bat, Lesser Horseshoe, Daubenton's and Natterer's bat and Noctule. There is a single record for rarer Greater horseshoe but at just over 2km from the site. There are several roost records within 1km of the site but most are for small, individual roosts and there are no records for roosts at the site itself. The data search returned a total six records for nesting birds for five different species. The species returned by the search all have the potential to nest at the property.

The daytime external and internal inspection of the building found limited features suitable for use by bats. There were few potential access points to the internal space, i.e. the wall cavity or living space. The flat roof means there is no loft space. The structure is considered to have negligible potential for bats.

As no evidence of current or recent use of the building by roosting bats was identified, a licence will not be required to undertake the proposed works. There are therefore no timing or other implications for the proposal. The absence of bats is very difficult to prove, and many bat species are itinerant in nature and will often make use of multiple roosts during the course of the active months (typically April to October). In the unlikely event that a bat were discovered once works have begun, all work in the area will cease immediately and the project ecologist or Natural Resources Wales contacted for advice on how to proceed.

No evidence of current or previous use of the building by nesting birds was observed during the survey.

This report details the methodology and results of the building inspection conducted. It draws conclusions and makes recommendations for enhancements for biodiversity that could be made within the proposal.

1.0 INTRODUCTION

- 1.1 Soltys Brewster Ecology were commissioned by Merthyr Valley Homes (the client) to undertake an ecological appraisal at The Green Flats, Trefechan, Merthyr Tydfil (see Site Location Plan in Appendix I). The proposal is to construct a new pitched roof over the existing flat roof. A planning application has been submitted and an ecological appraisal requested. The following report is intended to provide the necessary information to support the planning decision.
- 1.2 The settlement of Trefechan is bisected by Vaynor road running north-south. The property is located on the west side of the road towards the southern settlement boundary (grid reference: SO 03580 08828). The property is situated within a dense residential area but the Vaynor road has reasonably wide green verges linking the property to the wider rural landscape approximately 150m away. The site is therefore quite ecologically connected with habitat links to the wider landscape.
- 1.3 The structure is a large 3-4 storey building shaped like a curved rectangle. There are commercial units on the lower floor and flats above. A survey to establish the ecological baseline with particular regard to bats and nesting birds is required in the first instance to inform the planning application and works.
- 1.4 The current report presents the findings of an ecological desk study and building inspection survey undertaken in 2021.

2.0 METHODOLOGY

- 2.1 In order to establish the baseline ecological conditions on site, a combination of desk-based consultation and building inspection survey was undertaken in August 2021. The scope of survey work was based on best practice guidelines (BCT, 2016).

Desk study

- 2.2 The desk study involved consultation with South East Wales Biodiversity Records Centre (SEWBRc) to identify any records of bats (2km), roof nesting birds (150m) and SSSI's and SAC's designated for bat features up to 10km.

Building Inspection Survey

- 2.3 The fieldwork was undertaken on 18th August 2021 by a suitably experienced ecologist¹ and comprised of a check of the building to search for evidence of bats or nesting birds.
- 2.4 External survey at the site involved the use of binoculars to identify possible access/entry points into the building and aimed to identify any evidence of use by bats such as droppings, staining, prey remains, scratch marks, noise etc. The survey was undertaken from ground-level around the exterior of the site buildings with ladder access (up to a maximum of 5.5m) where required and was assisted by the use of close-focus binoculars and a high-powered torch (1 million candlepower).
- 2.5 An internal inspection of part of the building was also undertaken. A commercial property at the northern end of the structure and the two flats (14 and 15) above were inspected. The plan included in Appendix II highlights these areas that were accessed during the inspection.
- 2.6 The surveyor searched for roost evidence (droppings, staining, scratch marks, noise, etc.) as described above and the scope of the bat inspection survey, including timing, survey effort etc., was based on guidelines published by the Bat Conservation Trust (BCT, 2016). The potential of the building to support roosting bats was determined based on the following categories (BCT 2016):
- **Known or confirmed roost**
 - **High** - A structure with one or more potential roost sites that are obviously suitable for use by larger numbers of bats on a more regular basis and potentially for longer periods of time due to their size, shelter, protection, conditions and surrounding habitat.

¹Full Member of the Chartered Institute of Ecology & Environmental Management & NRW bat licence holder (Licence no: S088408/1)
Merthyr Valley Homes
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- **Moderate** – A structure with one or more potential roost sites that could be used by bats due to their size, shelter, protection, conditions and surrounding habitat but unlikely to support a roost of high conservation status.
- **Low** – A structure with one or more potential roost sites that could be used by individual bats opportunistically.
- **Negligible** – Negligible habitat features on site likely to be used by roosting bats.

2.7 Any evidence of use of the building or surroundings by other protected species such as nesting birds was also noted.

Constraints

2.8 Not all internal areas of the property were accessible. The layout of each of the units is exactly the same and it is therefore considered that a reasonable idea was gained of the potential for bat use and this is not considered to be a significant constraint on the survey conclusions.

3.0 RESULTS

Desk Study

- 3.1 Consultation with SEWBRc (search reference: 0212-398) confirmed that the property and its associated curtilage do not fall within or adjacent to a site designated for nature conservation. There are no sites designated for bats within the 10km search buffer.
- 3.2 The data search returned a total of three hundred and twenty records for bats of at least nine species. The majority of these are for more common species such as Soprano pipistrelle *Pipistrellus pygmaeus*, and Common pipistrelle *Pipistrellus pipistrellus*. There are also records for Brown Long-eared bat, Lesser Horseshoe *Rhinolophus hipposideros*, Daubenton's *Myotis daubentonii*, and Natterer's *Myotis nattereri* bat and Noctule *Nyctalus noctula*. There is a single record for rarer Greater horseshoe *Rhinolophus ferrumequinum* but at just over 2km from the site.
- 3.3 There are several roost records within 1km of the site but most are for small, individual roosts and there are no records for roosts at the site itself.
- 3.4 The data search returned a total six records for nesting birds for five different species. The species returned by the search; Blue tit *Cyanistes caeruleus*, House martin *Delichon urbicum*, Great tit *Parus major*, House sparrow *Passer domesticus* and Herring Gull *Larus argentatus* have the potential to nest at the property.

Building Inspection Survey

- 3.5 A summary of the building features and inspection survey is provided in the following section with further detail including target notes and supporting photographs in Appendix II.
- 3.6 The structure is a large 3-4 storey building shaped like a curved rectangle. There are commercial units on the lower floor and flats above. The walls are red brick with cavity with rendered external wall insulation. Windows are UPVC and doors are metal and shutters on the commercial units.
- 3.7 The roof is flat with bitumen felt present. A section has previously been damaged and is currently weighted down to prevent it from blowing away.
- 3.8 There is no loft space as the roof is flat and no discernible way for the bats to access the internal living spaces. The walls and ceilings of the flats are rendered and painted with no gaps. There are some hanging ceiling tiles in the commercial unit and some signs of water damage.

- 3.9 There are few features suitable to provide bat access around the structure and no evidence of bat presence was found internally or externally.

4.0 LEGISLATION, POLICIES AND PLANS

- 4.1 The following legislation and planning policy relating to nature conservation and biodiversity are considered of relevance to the area surveyed and to the proposed works at the site.

Legislation Pertaining to the Protection of Bats

- 4.2 Under Annex II of the *Council Directive 92/43/EEC 1992 on the Conservation of Natural Habitats and of Wild Fauna and Flora* (EC Habitats Directive) some bat species are listed as of Community Interest, the conservation of which requires designation of Special Areas of Conservation (SACs); Under Annex IV of the EC Habitats Directive all bat species are listed as of Community Interest, in need of strict protection. In England and Wales, the EC Habitats Directive has been transposed into law in 1994 and, following recent amendments is set out in the *Conservation of Habitats & Species Regulation 2017* to give bats, their breeding sites and resting places a high level of strict protection making it an offence (subject to certain specific exceptions) to deliberately capture or kill/injure a bat, to damage or destroy a place used for shelter or protection or to deliberately disturb a bat in such a place. Case Law has placed an onus on local planning authorities to satisfy ‘three tests’ under the Habitats Directive when determining applications that could affect European Protected Species. Essentially, these three tests are: i) that there is no satisfactory alternative; ii) that the proposed development is in the over-riding public interest (including those of a social or economic nature) and iii) the proposed development would not adversely affect the Favourable Conservation Status (FCS) of the species locally. Even without the requirement for planning consent in this instance a licence will be required to undertake the works. To obtain the licence from Natural Resources Wales (NRW) the third test will need to be met which means appropriate measures will need to be in place to demonstrate how the works can be achieved without adversely affecting the FCS of the species present.
- 4.3 Bats are also afforded protection within England and Wales under the Wildlife and Countryside Act 1981 (as amended); Countryside and Rights of Way Act 2000; Natural Environment and Rural Communities Act 2006.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Bats

- 5.1 The daytime internal and external inspection found no evidence to suggest that the structure is used by bats.
- 5.2 There were limited features that could be used and the structure is considered to have negligible potential for bats based on the criteria outlined in section 2.6.
- 5.3 As no evidence of current or recent use of the building by roosting bats was identified, a licence will not be required to undertake the proposed works. There are therefore no timing or other implications for the proposal. The absence of bats is very difficult to prove, and many bat species are itinerant in nature and will often make use of multiple roosts during the course of the active months (typically April to October). In the unlikely event that a bat were discovered once works have begun, all work in the area will cease immediately and the project ecologist or Natural Resources Wales contacted for advice on how to proceed.
- 5.4 Features that will encourage bats to use the property will be included in the proposal to create biodiversity enhancements. Four access points shall be incorporated along the ridge (Detail 4 in Appendix III) and four tile access points lower down the roof elevation, roughly at each corner of the roof (Detail 1 in Appendix III). Locations are also shown in Appendix III. Timbers will need to be either untreated or only with products approved by NRW (approved list at Appendix IV). The roofing felt used will be bitumen F1 Type.
- 5.5 No trees with potential to support roosting bats will be impacted as a result of the proposal.

Birds

- 5.6 No evidence of current or previous nests were observed during the survey. It is therefore not considered appropriate to restrict the timings of work on this basis. Under the Wildlife and Countryside Act (1981) (as amended) all wild birds and their nests are protected against damage or destruction whilst in use or being built. Therefore if any active nests are found during the works then work must stop in the vicinity (5m) of the nest until such a time as the nest is no longer active.
- 5.7 There will be an element of overhang for the new roof design creating a feature suitable for nesting birds like House martin. House martin were identified in the data search and are therefore present in the surrounding area making this a suitable option. Four double nest cups (i.e. 8 nests in total) will be fitted during the works and will be either the items shown in Appendix V or suitable alternative depending on availability. Artificial nests do not guarantee that birds will nest but often encourage birds to build their own (Gunnell *et al.* 2013). Nests will be placed in groups and on the north end of the structure (Appendix V).

REFERENCES

Bat Conservation Trust (2016) *Bat Surveys for Professional Ecologists – Good Practice Guidelines*. Bat Conservation Trust, London.

Gunnell, K., Murphy, B. and Williams, C. (2013) *Designing for Biodiversity: A Technical Guide for New and Existing Buildings*. Second Edition. RIBA Publishing.

Mitchell-Jones, A.J. (2004) *Bat mitigation guidelines; January 2004*. English Nature. Peterborough.

APPENDIX I SITE LOCATION PLAN

210245

Housing Stock Transfer - Plan No. 2



Produced by Estates Division
Merthyr Tydfil County Borough Council
Ty Keir Hardie
Riverside Court
Avenue De Clichy
Merthyr Tydfil
CF47 8LW
Licence No. 100025302

Scale
1:2,500

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APPENDIX II INSPECTION RESULTS

Target Note	General description/comment	
External		
1		
	Red brick to first floor, no features present. Next element is render, no gaps under soffit. Roof felt bent over edge of roof with some very small gaps.	
2		
	Felt over hang – some small gaps under.	

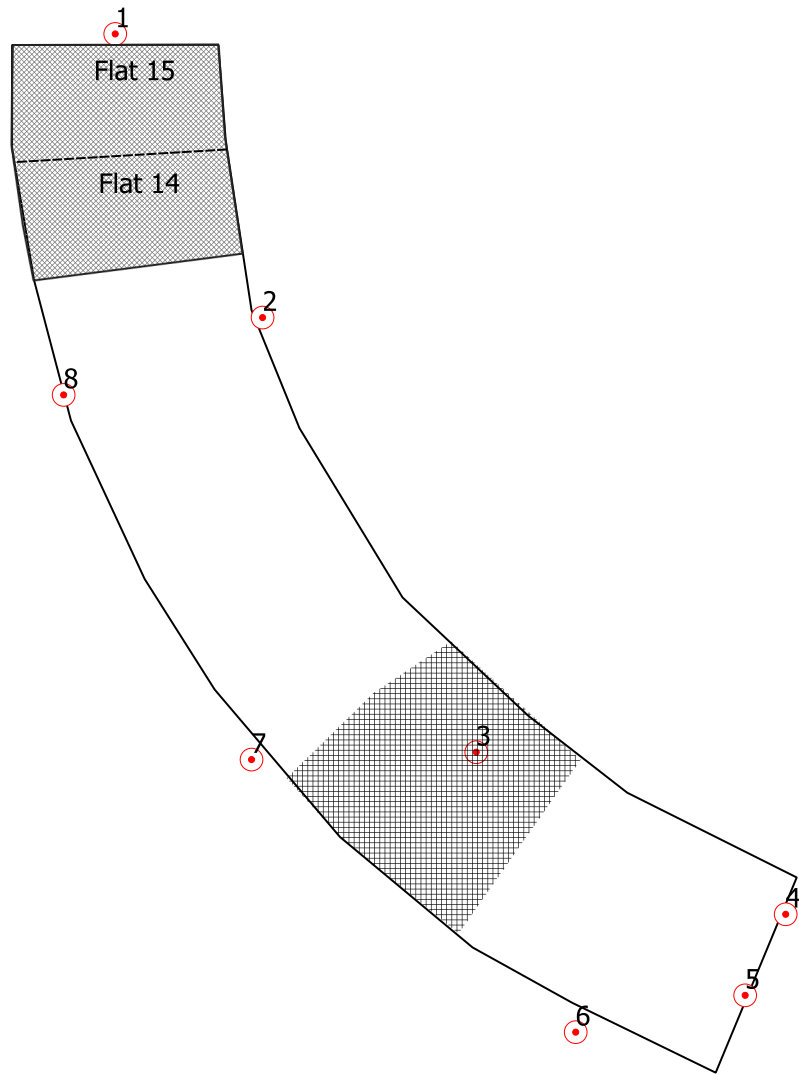
Target Note	General description/comment	
External		
3		
4	Jackdaw perched on satellite support.	
5		

Target Note	General description/comment
External	
6	 Additional floor at this end. Rendered slabs of pebble dash over red brick. Generally in good order.
7	 Small amount of ivy obscuring visual inspection.
8	Broken vent - UPVC
Internal	

Target Note	General description/comment
External	
Flat 14	 The top photograph shows a doorway leading to a closet with two shelves. To the right of the doorway is a window with red curtains. The bottom photograph shows a window with a view of the surrounding area, including other buildings and greenery. The room has light-colored walls and a white ceiling.

Target Note	General description/comment
External	
Flat 15	

Target Note	General description/comment
External	
Commercial Unit	 The top photograph shows a close-up of a ceiling with a large, irregular brown water stain. A wooden door is visible on the left, and a window is on the right. The bottom photograph shows a wider view of a room with a whiteboard on the left wall, a window on the right wall, and a ceiling with a square light fixture.



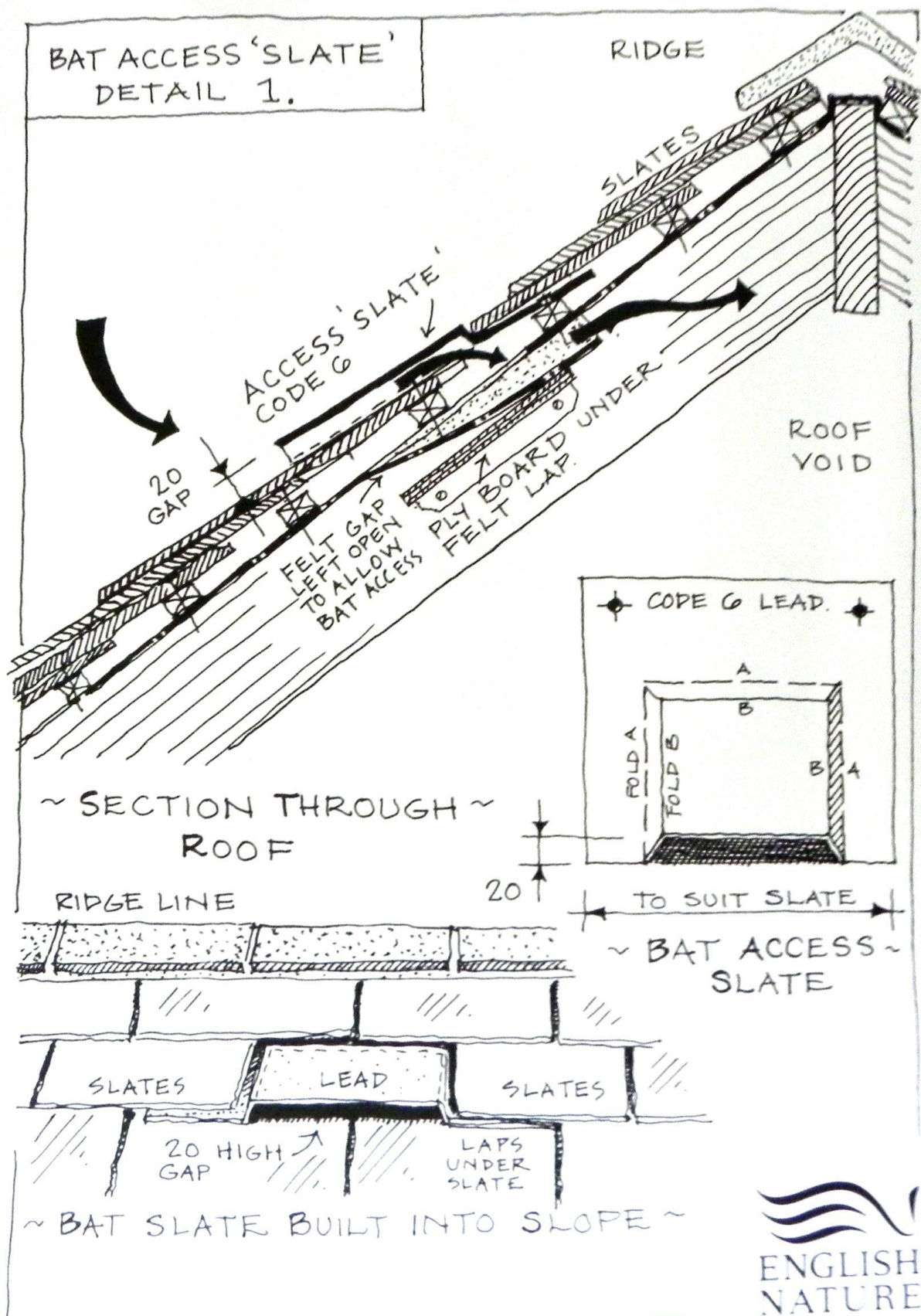
-  Internal Inspection
 -  Damaged Roof Section
 -  Target Notes
 -  Building outline
- Google Satellite Image 2018



PRELIMINARY					PLANNING	DESIGN	TENDER	CONSTRUCTION
Client: Merthyr Valley Homes					Drawing Title: Inspection Results			
Project: The Green Flats, Trefechan								
Project Code: E21104601					4 Stangate House Stanwell Road Penarth Vale of Glamorgan CF64 2AA			
Initials: DF					Telephone:- + 44(0) 29 2040 8476 e-mail:- enquiry@soltysbrewster.co.uk			
MW					13 September 2021			

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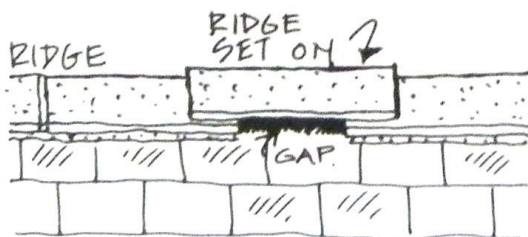
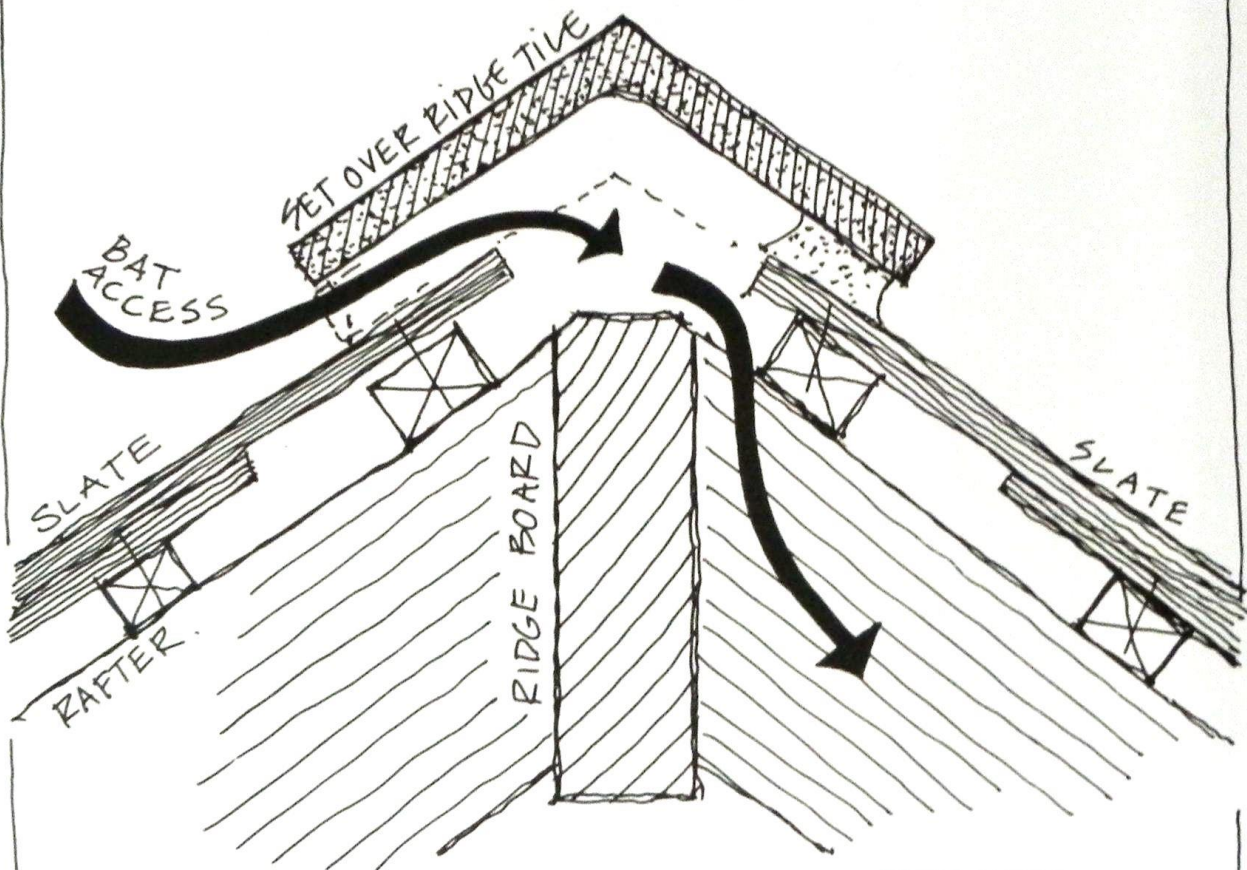
APPENDIX III RECOMMENDED TILE FEATURES



SP

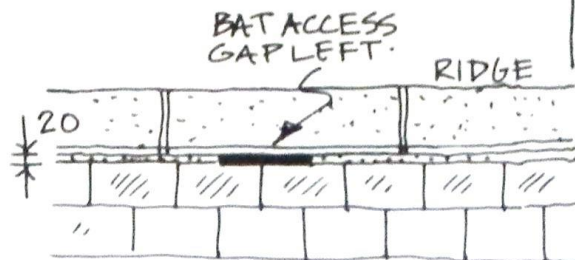
The above information is for guidance only and may not be appropriate in all circumstances. It is good practice to seek professional advice.
 English Nature Cumbria Team, Juniper House, Mabley Moss, Overcliffe Road, Kildale, LA2 7PL. Tel: 01549 752800. Fax: 01549 752800. Email: cumbria@english-nature.org.uk

RIDGE TILE ACCESS DETAIL 4



~ OPTION A ~

ROOF RIDGE SET ON TOP
OF GENERAL RIDGE TILES
TO FORM BAT ACCESS GAP.



~ OPTION B ~

MAINTAIN 20MM MORTAR
GAP. & LEAVE A SECTION
OUT.

SP

The above information is for guidance only and may not be appropriate in all circumstances. If in doubt seek professional advice.
English Nature Cumbria Team: Juniper House, Murley Moss, Oxenholme Road, Kendal LA9 7RL Tel: 01539 792800 Fax: 01539 792830 Email: cumbria@english-nature.org.uk


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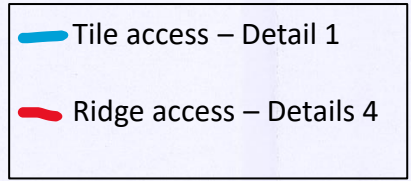
<https://www.specifiedby.com/traditional-clay-roof-tiles/bat-access-tile-set>



<https://www.nhbs.com/bat-access-tile-set>



<https://www.tudorrooftiles.co.uk/bat.html>



- | GENERAL NOTES: | |
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Serial	SUITABLE FOR TENDER			D2
Project	Merthyr Valleys Homes			
The Green, Trefechan PROPOSED ROOF PLAN				
Size	Date	Drawn By	Checked By	Checked By
A1	9/10/2001	MJ	WC	WC
Scale 1:100				
Width (m)	Original	Volume	Level	Type
75213	CUR - XX - RF - DR - S -	20003	Pd1	

APPENDIX IV APPROVED TIMBER TREATMENTS



COUNTRYSIDE COUNCIL FOR WALES
UNIT 7, CASTLETON COURT,
FORTTRAN ROAD
St.MELLONS
CARDIFF
CF3 0LT

06/08

Remedial timber treatment products suitable for use in bat roosts¹

COMPANY & PRODUCT NAME	TYPE ²	USE ³	ACTIVE INGREDIENTS	HSE No.
ANTEL (UK) LTD				
Woodworm Killer P	E	P	Permethrin	4044
BIOKIL CROWN LTD				
Ultra-Tech 2000I Insecticide	M	P	Permethrin	7273
Ultra-Tech 2000D	M	P	Permethrin, Propiconazole	6304
Crown Micro Woodworm	M	P	Permethrin	6894
Crown Micro Dual Purpose	M	P	Permethrin, Tri (hexylene glycol) baborate	6895
Crown Timberpaste	P	P	Permethrin	5869
Brokil Boracol 10RH	S	P	Disodium octoborate, Benzalconium chloride	7271
Brokil Boracol 20	S	P	Disodium octoborate	7264
Brushable Boron Gel	P	P	Disodium octoborate	7255
Brand (CUPRINOL) LIMITED				
Wood Preserver (light/dark oak)	S	A	Acypetacs-zinc	4698
Low Odour Wood Preserver Green	S	A	Acypetacs-copper	5448
Decorative Preserver (5 colours)	S	A	Acypetacs-zinc, Dichlofluanid	6277
Decorative Preserver Red Cedar	S	A	Acypetacs-zinc, Dichlofluanid	6280
Low Odour 5 Star Wood Treatment	S	A	Acypetacs-zinc, Permethrin	5445
Low Odour Wet and Dry Rot Killer	S	A	Acypetacs-zinc	5446
Wood preserver clear (IP)	S	A	Propiconazole 0.4%, Iodo propynyl butylcarbamate 0.4%	7897
Wood preserver green (P)	S	A	Propiconazole 0.6%	8175
5 star complete wood treatment (FP)	S	A	Propiconazole 0.6%, Flufenoxuron 0.02%	7878
Woodworm killer	S	A	Flufenoxuron 0.02%	7877
Wood preserver (P)	S	A	Propiconazole 0.6%	7946
Trade low odour wood preserver clear (T)	S	A	Propiconazole 0.4%, Iodo propynyl butylcarbamate 0.4%	7899
Trade low odour wood preserver green (G)	S	A	Propiconazole 0.6%	8121
Trade low odour 5 star complete wood treatment	S	A	Propiconazole 0.6%, Flufenoxuron 0.02%	7879
Trade low odour woodworm killer (T)	S	A	Flufenoxuron 0.02%	7876
Trade wood preserver (T)	S	A	Propiconazole 0.6%	7947
Wood preserver clear (IP)	S	A	Propiconazole 0.4%, Iodo propynyl butylcarbamate 0.4%	7897
Wood preserver green (P)	S	A	Propiconazole 0.6%	8175
5 star complete wood treatment (FP)	S	A	Propiconazole 0.6%, Flufenoxuron 0.02%	7878
Woodworm killer (F)	S	A	Flufenoxuron 0.02%	7877
Wood preserver (P)	S	A	Propiconazole 0.6%	7946
Trade low odour wood preserver clear (T)	S	A	Propiconazole 0.4%, Iodo propynyl butylcarbamate 0.4%	7899
Trade low odour wood preserver green (TG)	S	A	Propiconazole 0.6%	8121

COMPANY & PRODUCT NAME	TYPE ²	USE ³	ACTIVE INGREDIENTS	HSE No.
Trade low odour 5 star complete wood treatment (T)	S	A	Propiconazole 0.6%, Flufenoxuron 0.02%	7879
Trade low odour woodworm killer (T)	S	A	Flufenoxuron 0.02%	7876
Trade wood preserver (T)	S	A	Propiconazole 0.6%	7947
IMPERIAL CHEM IND LTD				
Low Odour Woodworm Killer	S	A	Permethrin	5435
DEAL DIRECT LIMITED				
Dual 8	M	P	Permethrin, Tri (hexylene glycol) baborate	6255
Woodworm Treatment Concentrate	M	P	Permethrin	6249
KINGFISHER CHEMICALS LIMITED				
Ecology Fungicide/Insecticide Concentrate	E	P	Permethrin, Tri (hexylene glycol) baborate	5930
Insecticide/Fungicide	S	P	Permethrin, Tri (hexylene glycol) baborate	5933
KF-8 Insecticide Micro Emulsion Conc.	M	P	Permethrin	5786
KF8 Insecticide Microemulsion Conc.	M	P	Permethrin	6827
KF-8 Dual Purpose Microemulsion Conc.	M	P	Permethrin, Tri (hexylene glycol) baborate	6075
Timberpaste	P	P	Permethrin, Tri hexylalene baborate	6686
Wood Preservative (clear/brown)	S	P	Tri (hexylene glycol) baborate	4012
LAYBOND PRODUCTS LTD				
Timber Protector	S	A	Cypermethrin, 2-Phenylphenol	5369
Wood Preserver (3 colours)	S	A	2-Phenylphenol	5382
N-VIROL LTD				
Woodworm Killer	M	P	Permethrin	8570
Dual FI	M	P	Permethrin, IPBC, Propiconazole	8469
Timber Treatment Paste	P	P	Permethrin, IPBC	8488
Masonry Biocide	M	P	IPBC	8476
N-VIROBOR 10	A	P+A	Disodium Octoborate + Benzalkonium Chloride	8473
N-VIROBOR 20 Gel	P	P	Disodium Octoborate	8475
Algae & Moss Killer	E	P+A	Didecylidimethyl Ammonium Chloride	8669
PALACE CHEMICALS LIMITED				
Ecology Fungicide/Insecticide Concentrate	E	P	Cypermethrin, Tri (hexylene glycol) baborate	3792
Fungicide/Insecticide	S	A	Cypermethrin, Tri (hexylene glycol) baborate	3795
Microfine 8 Insecticide Concentrate	M	P	Permethrin	5809
PERMAGARD PRODUCTS LTD				
Microguard FI conc.	M	P	Permethrin, Boric acid	5854
Microguard Permethrin Conc.	M	P	Permethrin	5741
Microguard Woodworm	W	A	Permethrin	5103
Microguard Mouldicidal Wood Preserver	W	A	Benzalkonium chloride, Boric acid	5100
Permatreat Paste	P	P	Permethrin, Tri hexylene glycol/baborate	4075
PETER COX LIMITED				
Insecticide WSS	M	P	Permethrin	7528
Fungicide WSS	M	P	Propiconazole, IPBC	7516
Masonry Biocide WSS	M	P	IPBC	7509
Timber Gel Ready to Use	P	P	IPBC, Permethrin, Propiconazole	6840

COMPANY & PRODUCT NAME	TYPE ²	USE ³	ACTIVE INGREDIENTS	HSE No.
Timber Water Repellent	S	P	IPBC	6621
PROTIM SOLIGNUM LIMITED				
Protim B10	A	A	Disodium octoborate	4971
Protim Insecticidal AQ8	M	P	Permethrin	6526
Protim Universal AQ250	M	P	Permethrin, IPBC	5844
Solignum Green Preservative	S	A	Permethrin, Tri hexylene glycol baborate	7146
Solignum Woodworm Killer	S	A	Permethrin	5002
Solignum Insecticidal AQ8	M	P	Permethrin	6527
Osmose Endcoat	S	A	Tri hexylene glycol baborate	7049
Preservative Gel	P	P	Disodium octoborate + benzalkonium choride	6528
RENTOKIL INITIAL LIMITED				
Rentokil Woodworm Treatment	S	A	Permethrin	3911
Woodworm Treatment Spray	S	A	Permethrin	5619
Rentokil Woodworm Killer	A	A	Permethrin	4208
Control Fluid SB	A	P	Boric acid, disodium tetraborate	6018
Rentokil Control Paste SB	P	P	Boric acid, disodium tetraborate	6501
RESTORATION UK LIMITED				
Restor-8 Insecticide Conc.	E	P	Permethrin	5962
Restor-8 Dual Purpose Conc.	E	P	Permethrin, Tri hexylene glycol baborate	5963
Omega Biocide	E	P	IPBC	6381
Omega Plus	M	P	Permethrin, Trihexylene glycol baborate	6382
Omega	M	P	Permethrin	6379
SAFEGUARD CHEMICALS LIMITED				
Deepwood 8 Micro Emulsifiable bechzide Conc.	M	P	Permethrin	5664
ProBor 50 Paste	P	P	Disodium octoborate + Dialkyldimethyl ammonium chloride	5596
Safeguard Antiflame 4050 WD	A	P	Disodium octoborate	5656
Micron 8 dual purpose emulsion Conc.	M	P	Permethrin, Trihexylene glycol baborate	5851
Deepwood IV woodwork killer	S	P	Permethrin	3946
Deepwood III timber treatment	S	P	Permethrin, Trihexylene glycol baborate	3937
ProBor 10	A	P	Disodium octoborate + benzalkonium chloride	6595
ProBor DB	A	P	Disodium octoborate	6673
Probor 20 brushable gel	P	P	Disodium octoborate, (DDAC) Dialkyldimethyl ammonium chloride	6422
BASF PLC				
Devatern EC	E	P	Cypermethrin	3875
Devatern 0.5 L	S	A	Cypermethrin	3874
Devatern 1.0 L	S	P	Cypermethrin	3876
Devatern Wood Preserver	S	P	Cypermethrin + Trihexylene glycol baborate	4073
SOVEREIGN CHEMICALS LIMITED				
Sovereign Fungicide/Insecticide	S	P	Flufenoxuron, IPBC, Propiconazole	6828
Sovaq FLX I	M	P	Flufenoxuron	6510
Sovereign Sovaq FLX F/I	M	P	IPBC, Propiconazole + Flufenoxuron	6509
Sovereign Timbor Rod	R	P	Sodium octoborate	4627
Sovereign Deepkill Timber Paste	P	P	Permethrin, IPBC	6084
Sovereign Timber Preservative (Clear)	S	P	Boron ester	3807
Sovac F/I	S	P	IPBC, Propiconazole	6262

COMPANY & PRODUCT NAME	TYPE ²	USE ³	ACTIVE INGREDIENTS	HSE No.
Remtox MF8 Microemulsion	M	P	Flufenoxuron	6507
Remtox Micro Dual purpose F/1	K7(M)	P	IPBC, Propiconazole, Flufenoxuron	6871
Remtox Borocol 20 Wood Preservative	E	P	Disodium octoborate	4094
Remtox-Silexine B40 Paste Wood Preservative	P	P	Disodium octoborate	4161
TRITON CHEMICAL MANUFACTURING COMPANY				
Tritec 120	M	P	Permethrin	6539
Tritec 120 Plus	M	P	Permethrin, Propiconazole	6537
Tritec 121	M	P	Permethrin	6541
Tritec 121 Plus	M	P	Permethrin, Propiconazole	6538
Trisol 120	M	P	Propiconazole	6540
Tribor 20	S	P	Disodium octoborate	6242
Tribor Gel	S	P	Disodium octoborate	6099
Tribor Plus	P	P	Disodium octoborate, Permethrin	7549
Tripaste PB	P	P	Permethrin, Tri (hexylene glycol) baborate	6080
Trimethrin 20S	S	P	Permethrin	4621
Trimethrin OS plus	S	P	Permethrin, Tri hexylene glycol baborate	3521
WYKAMOL GROUP incorporating STANHOPE CHEMICAL PRODUCTS & LECTROS INTERNATIONAL LIMITED				
Aquatech Woodworm	M	P	Permethrin	7547
Aquatech Dual	M	P	Permethrin, IPBC, Propiconazole	7596
Brunosol Concentrate 6X	E	P	Sodium 2 phenyl phenoxide	7325
Lectros 8WW	M	P	Permethrin	6398
Lectros Micro 8FI	M	P	Permethrin, Propiconazole, IPBC	6584
Microtech Dual Purpose	M	P	Permethrin, Propiconazole	7338
Microtech WWK25	M	P	Permethrin	7326
Microtreat Insecticide 25X	M	P	Permethrin	6913
Microtreat Dual 12.5X	M	P	Permethrin, Propiconazole, IPBC	6917
Microtreat Insecticide II	M	P	Permethrin	7534
Microtreat Dual II	M	P	Permethrin, Propiconazole, IPBC	7533
Woodtreat Paste	P	P	Permethrin, IPBC	7362
Wykabor 10	A	P	Disodium Octaborate + Benzalkolium chloride	7324
Wykabor 20	S	P	Disodium Octaborate	7518
Wykabor 20 Gel	P	P	Disodium Octaborate	7517
Wykabor 40	P	P	Disodium Octaborate	7307
Wykamol Plus	S	P	Permethrin, IPBC	7303
Wykamol Boron Rods	R	A	Boric oxide	7405

Notes

- 1 Products on the list are those that have come to the attention of Natural England; other suitable products may also be available. Pre-treatment and decorative products are not included. The efficacy of particular products in particular situations is the responsibility of the manufacturer and no endorsement is given or implied.
- 2
 - S Solvent-based product
 - E Emulsifiable concentrate (solvent); to be diluted with water
 - P Bodied paste
 - A Aqueous solution
 - M Microemulsion concentrate; to be diluted with water to form a microemulsion
 - R Solid rod, for insertion into pre-drilled hole
 - W Ready-for-use microemulsion
- 3
 - P Cleared for professional use only
 - A Cleared for professional and amateur use (a DIY product)

Natural England should be consulted before any known bat roost is treated with any product. See your local telephone directory for the nearest Natural England office or contact our Enquiries Service (0845 600 3078 or enquiries@naturalengland.org.uk).

ADDRESSES

Antel (UK) Limited

25 Woolsbridge Industrial Park
Three Legged Cross
WIMBORNE
Dorset BH21 6SP

Tel: 01202 827186

Fax: 01202 823974

Biokil Crown Ltd

7 Stadium Industrial Park
Springfield Avenue
Long Eaton
NOTTINGHAM NG10 2DD

Tel: 0115 9460060

Fax: 0115 9469767

Cuprinol Limited

Adderwell
FROME
Somerset BA11 1NL

www.cuprinol.co.uk

Tel: 01373 475000

Fax: 01373 475050

Deal Direct Ltd

Tel: 0800 731 0362

Kingfisher Chemicals Limited

Cooper Lane
Bardsea
ULVERSTON
Cumbria LA12 9RA

Tel: 01229 869100

Fax: 01229 869101

Laybond Products Ltd

Riverside
Saltney
Chester
Cheshire CH4 8RS

Tel: 01244 674774

Fax: 01244 682218

N-Virol Ltd.

Units 1-2 Riverside Business Park
Holme Lane,
Rawtenstall
Rossendale
Lancs. BB4 6JB

Tel: 01706 212030

Fax: 01706 213737

Palace Chemicals Limited

Speke Hall Industrial Estate
Speke
LIVERPOOL L24 4AB

Tel: 0151 486 6101

Fax: 0151 448 1982

Permagard Products Ltd.

Unit 3BAvonmouth Docks Estate
Chittening
Avonmouth
Bristol BS11 0YB

Tel: 0117 938 1596

Fax: 0117 938 1584

Peter Cox Limited

Aniseed Park
Broadway Business Park
Chadderton
MANCHESTER
OL9 9XA

e-mail: marketing@petercox.com

www.petercox.com

Tel: 0845 222 0404

Fax: 0161 684 6305

Protim Solignum Limited

Fieldhouse Lane
MARLOW
Bucks SL7 1LS

Tel: 01628 486644

Fax: 01628 476757

Rentokil Initial UK Limited

2 City Place
Beehive Ring Road
Gatwick Airport
West Sussex RH6 0HA

e-mail: propertycare@w90.rentokil.com www.rentokil-initial.com

Tel: 01293 858000

Fax: 01293 858300

Restoration UK Limited

Unit 2, Beaumont Court
Prince William Rd
Loughborough
Leics LE11 0GU

Tel: 01509 217750

Fax: 01509 262228

Safeguard Chemicals Limited

Redkiln Close
Redkiln Way
HORSHAM
West Sussex RH13 5QL

e-mail: sgrdchem@aol.com

www.safeguardchem.com

Tel: 01403 210204

Fax: 01403 217529

Sorex Limited

Oldgate
St Michael's Industrial Estate
WIDNES
Cheshire WA8 8TJ

Tel: 0151 420 7151

Fax: 0151 495 1163

Sovereign Chemicals Limited

Park Road
BARROW IN FURNESS
Cumbria LA14 4QU

e-mail: sales@sovchem.co.uk

www.sovchem.co.uk

Tel: 01229 870800

Fax: 01229 830857

Triton Chemical Manufacturing Co. Limited

Triton House, Lyndean Industrial Estate
129 Felixstowe Road
Abbey Wood
LONDON SE2 9SG

Tel: 0208 310 3929

Fax: 0208 312 0349

Wykamol Group incorporating Stanhope Chemical Products & Lectros International Limited

Units 1-3 Knowsley Road Industrial Estate
Knowsley Road
Haslingden
Rossendale
Lancashire
BB4 4RX

www.wykamol.net www.lectros.com

e-mail: wykamol@ukonline or sales@lectros.com

Tel: 01706 831223

Fax: 01706 214998

Use of the list

Because products on the market change frequently and all products for which a company holds an Approval may not be available, it is also possible to specify suitable products by listing their active ingredients. Thus, products which do not appear on the list of specific products above but contain only the active ingredients listed below (singly or in combination) may be considered suitable for use in bat roosts when used as directed.

Insecticides

Active ingredient	Concentration	Acceptable uses
Permethrin	0.2%	Any remedial use
Cypermethrin	0.1%	Any remedial use
Deltamethrin		
Boric acid, Disodium octoborate, Tri(hexylene glycol) baborate	5-20%	Any remedial use
Flufenoxuron (Flurox®)	0.025%	Any remedial use

Fungicides

Active ingredient	Concentration	Acceptable uses
Boric acid, Disodium octoborate or tetraborate Tri(hexylene glycol) baborate	3.5%	Any suitable application
Acypetacs copper, Copper naphthenate	2.3% Cu	Any suitable application.
Acypetacs zinc Zinc naphthenate, Zinc octoate, Zinc versatate	1-3% Zn	Any suitable application
Benzalkonium chloride		Any suitable application
Phenylphenol (+ sodium salts)	2-5%	Wall sterilant for dry rot
Dichlofluanid		Decorative stains and finishes
Quartenary ammonium compounds	3.0%	Any suitable application
3-iodo-2-propynyl-N-butyl carbamate (Polyphase/IPBC)	0.5%	Any suitable application
Propiconazole		Any suitable application
Dodecylamine salicylate or laurate		Any suitable application

This list does not cover the use of pre-treatment products. A wider range of active ingredients, some of them considered harmful to bats when used as remedial products, is used for the pre-treatment of structural timbers. There is no evidence that any pre-treatment of timbers is harmful to bats, probably because the method of application results in much lower concentrations of pesticides on the wood surface compare with remedial applications.

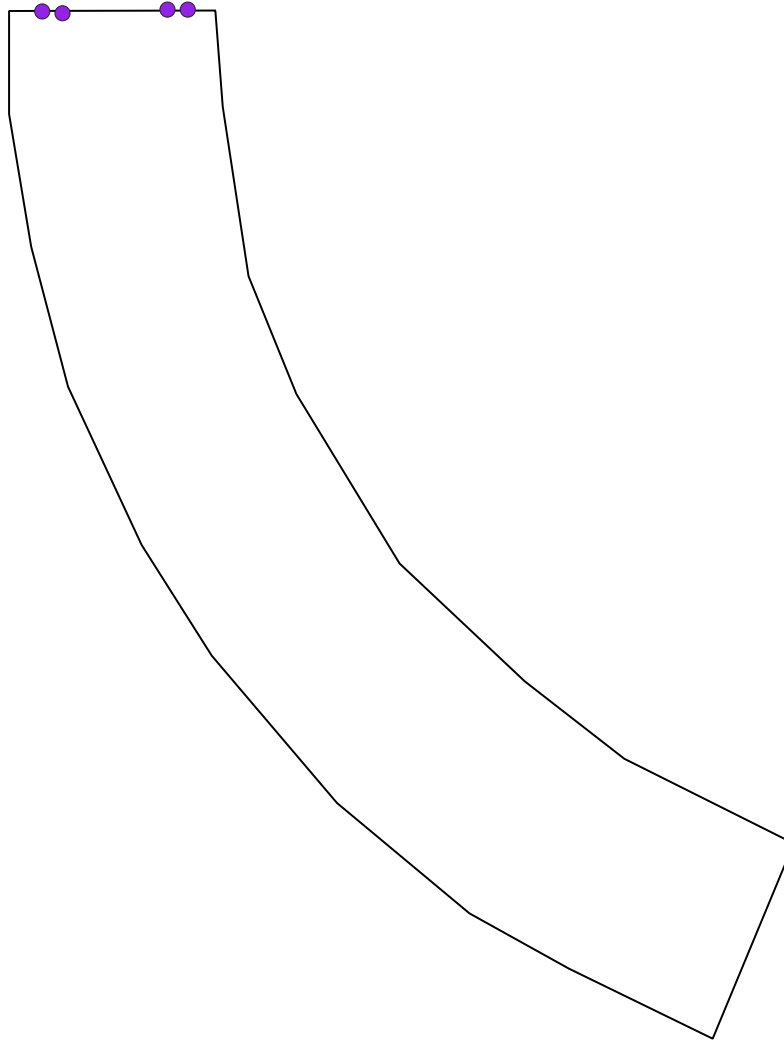
This list does not include decorative wood finishes, such as stains or wood preservatives, which may be used to treat external timbers, weatherboarding, shingles etc. Provided these are used only on external timbers, they present no significant hazard to bats. Most of these products contain one or more of the fungicides listed above.

Natural England
June 2008

APPENDIX V NESTING PROVISION



https://www.arkwildlife.co.uk/product/house-martin-nest-box-bowl/?gclid=CjwKCAjw7fuJBhBdEiwA2ILMYV11GVLiTSam3ydmXZIZMjCacQgK5GncvEyxY5hzu_Gv_N2mACnCx0CZ9oQAvD_BwE



- Artificial nest locations
- Building outline

Google Satellite Image 2018



PRELIMINARY	PLANNING	DESIGN	TENDER	CONSTRUCTION
Client: Merthyr Valley Homes Drawing Title: Suggested House Martin Nest Locations Project Code: E21104601 Initials: DF MW 13 September 2021 soltysbrewster 4 Stangate House Stanwell Road Penarth Vale of Glamorgan CF64 2AA Telephone:- + 44(0) 29 2040 8476 e-mail:- enquiry@soltysbrewster.co.uk				

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