- Bat roost unit (x25)
- Hedgehog shelter (x3)
- 25mm nest box (x5)
- 28mm nest box (x5)
- Open fronted nest box (x5)
- Sparrow terrace box (x5)
- Swift nest box (x5)
- Swallow nest box (x5)
- House martin nest box (x5)

Bat roost units x 25

Install on gable ends of houses. Identified locations towards south of site, near to pond.

South/south-east/south-west elevations

BAT ACCESS PANEL 1FE

This maintenance-free access panel can be installed in the outer skin of most cavity wall constructions due to its slim 80mm depth. The open rear also allows access into the building cavity so that bats can continue to use an existing roost space.

Size: 300x300x80mm
Weight: 7.8kg

BAT TUBE 1FR

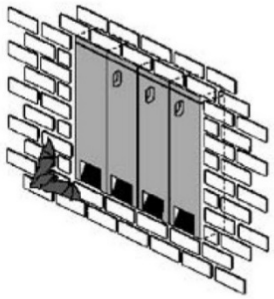
The Bat Tube 1FR requires no maintenance or cleaning, the sloping entrance area allows droppings to simply fall out of the chamber. The 1FR mimics the cavities that species such as the pipistrelles favour and the wooden back panel helps maintain the optimum climatic conditions and also provides surface on which the bats can cling. The depth of this box (125mm) makes it ideal for use in 9" solid walls or where the outer skin of a property is of stone. The box can also be recessed into the wall and rendered over, just leaving the access section clear.

Size: 470x200x125mm
Weight: 9.5kg

BAT TUBE 2FR

This is a slightly updated version of the 1FR and several can be installed next to each other to create a larger roost. The tubes include an internal panel to increase the roost space and also an optional passage at the rear allowing access into existing cavities.

Size: 470x200x125mm
Weight: 9.5kg



BAT BRICK TYPE 27

The Type 27 Bat Brick is designed to be built into the structure of buildings and includes a removable front panel for monitoring purposes. An internal roughened wood panel increases the available roost space.

Size: 265x180x240
Weight: 9.5kg

BAT ROOST 1FQ

This is the latest in bat boxes. Designed to fit to the outside of buildings, the shape and design of the box make it equally attractive as a roost or nursery.

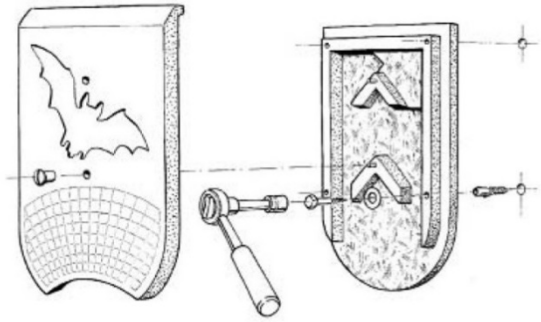
Size: 600x350x90mm
Weight: 15kgs

WINTER BAT ROOST 1WQ

Based on the successful 1FQ, this box has better insulation properties for use as a winter roost by bats

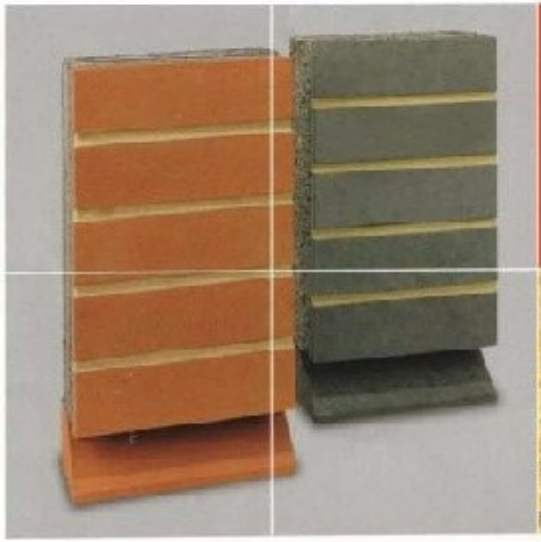
Size: 580x380x115
Weight: 21kg

Both of the above boxes are easily fixed to the outside of a building with two screws and a galvanised bracket as shown below.

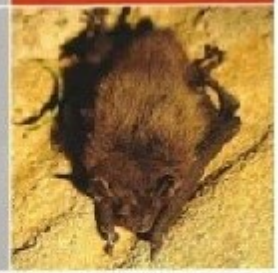


CAVITY BAT ROOST

Wienerberger
Building Value



Bat Boxes. To protect and conserve.

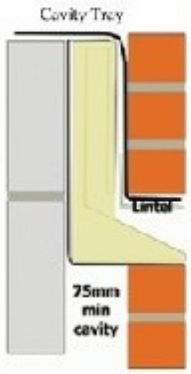


Wild-x

Dimensions

A	Height:	440mm
B	Width	420mm
C	Depth (at base)	170mm

Weight:
12kg



KEY FEATURES

Incorporates into structures using standard face materials

Supplied with lintel and DPM for the cavity tray

Creates a permanent bat roost that cannot be removed by subsequent occupiers

Unobtrusive "letterbox" entrance makes little impact on building appearance

Suitable for a wide range of bat species

Material:

Cement/woodpulp mix

Internal:

Internally there is approx 3500 square centimetres of roosting space. This space is divided up to form crevices ranging from 1cm to 2.5cm which also creates places to hide and spots where it is warmer or cooler.

Distributor:

The entrance is 420mm wide by 65mm high which is basically the width of 2 normal house bricks. The gap at the top of the entrance ramp is approx 20-22mm which is ideal for the smaller bat species.

Wienerberger has worked closely with Ibstock Ltd to create a brand new range of eco-friendly bat boxes. Compared to existing bat boxes on the market, the Wienerberger bat box is larger and features an innovative ventilated structure which helps maintain the bats body temperature in winter for them to thrive.

The bat box is designed to encourage the most common bats found in the UK, such as Pipistrelle, Natterer's, Whiskered and Brandt's bats. Other bat box options are available for other breeds via special order.

Bats are an important part of our natural landscape. The latest legislation to protect bat species and their habitats has now brought the UK in line with the rest of Europe and made bat conservation mandatory on any new building project where bats may exist.

Our bat boxes can help houses gaining additional ecological points to meet the requirements of the Code for Sustainable Homes.

Our bat boxes are currently available in Staffordshire Smooth Red and Smooth Blue but can also be manufactured to any colour in our range.

Further detailed information on Wienerberger bat boxes and bat conservation is available at **www.brick.co.uk/batbox** or contact Design Services on **0161 491 8200**

Hedgehog shelters x 3

Identified locations within groups of trees/hedges, away from roads and disturbance

Hedgehogs will travel through a number of gardens in one night looking for food and nest sites. To allow a hedgehog access into the gardens, all it takes is a 130mm - 130mm square gap in a fence panel, under a gate or alternatively using native hedges in place of fences.

Having a series of hedgehog gaps across the site will encourage the creation of hedgehog friendly routes between gardens and other habitat, removing the need for hedgehogs to wander out onto our busy roads.

Ensure that garden ponds have at least one side that slopes gently, to allow any hedgehog to get out, or form a ramp to create an escape route.

Gap under a gate

Hole in a timber fence panel

Hole in a plastic fence panel

A nesting option for hedgehogs can also be provided, by creating a natural feature such as a compost heap or log pile. Artificial hedgehog houses may also be used by hedgehogs, and are widely available. Choose a shady, quiet area of the garden to site the hedgehog house, and ensure that there are plenty of leaves near to the box, or leave out straw and hay which can be used.

Wooden hedgehog house

Schwegler hedgehog dome

More information on how you can make your garden hedgehog-friendly can be found on the Hedgehog Street campaign website, run by the People's Trust for Endangered Species (PTES) and British Hedgehog Preservation Society: www.hedgehogstreet.org

25mm hole nest box x 5, 28mm hole nest box x 5, open-fronted nest box x 5, sparrow terrace box x 5

On garages, north/north-east/east elevations

Examples of bird boxes with, from left to right:

a 25mm diameter entrance hole, open fronted and a 28mm diameter entrance hole

Examples of sparrow terrace boxes

Swift nest boxes x 5

Under eaves on garages, north/east elevations

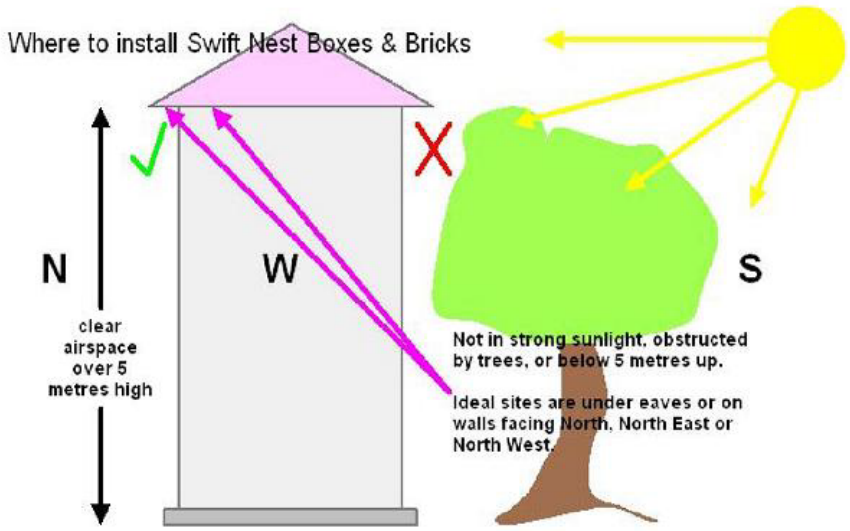
Choosing & Installing Swift Nest Boxes – a basic guide

Swift Conservation www.swift-conservation.org

Congratulations! You want to help Swifts!

Choosing the site

Place the nest box on the side of the building that gets the least direct sunshine. If possible fix it under an overhang or the eaves, to give it more protection from weather and heat. It should be sited at least 5 metres above ground, with clear adjacent airspace so the Swifts can access it in high-speed direct flight (they fly straight into the nest hole to avoid the risk of predation). Make sure that predators (cats, crows, magpies, squirrels, rats and weasels) do not have easy access to the nest (eg by climbing up creepers, sitting on nearby aerials, or flying in from nearby trees).



Choosing the box

You can find a good range of Swift nest boxes illustrated on the "Shopping!" pages of our website, which also provides links and details of how you can order them. A brief summary of the various types and their uses is below. Select the box that meets your needs, your budget, and your ability to fit it! Please remember that the longer lasting the box and the more soundly it is fitted, the better it is.

Wooden

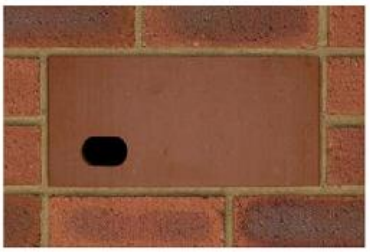
We know of two commercial wooden Swift nest boxes available, from John Stimpson and CJ Wildbird Foods. Both are well made, designed for Swifts by experts, and are light and easy to fit when compared to the concrete boxes. The downside of such boxes is their relatively limited life, but careful siting and occasional surface treatments can prolongue their lives to a very useful span.

Concrete - "Woodcrete"

Some of the boxes available from Schwegler (and some other continental manufacturers) are made from a lightweight concrete known as "Woodcrete". It is a mixture of cement and plant fibre, and is strong and long lasting, if heavy. Such boxes, if sensibly sited and maintained, have the potential to last as long as the building, making them particularly attractive and cost effective.

Terra-Cotta

This handsome nest place is available from Ibstock Brick in three clay colours. It fits in with UK brick sizes, and is ideal for new build sites. Designed by a UK Swift colony owner and expert, it provides ideal nesting conditions when correctly fitted.



Do It Yourself

We feature several different designs for Swift nest boxes on our web sites. Choose the one that suits your site and skills, and make it up! These boxes are light compared to the concrete ones, and require much less effort to fit, but they will not last as long as the concrete ones will. Nonetheless they will, if well made, have a useful life span and are a valuable way of providing Swifts with nest places.

Inset

Several commercial designs of Swift nest box can be sunk into the walls of most brick or block built buildings. Both Ibstock and Schwegler make such types, the one illustrated is the popular double box from Schwegler. These boxes are heavy, and fitting them in this way is a professional task. Because of this they are usually best suited to new build sites, or ones where the walls are undergoing major repairs.

Surface Mounted

Several of the commercial designs can only be surface fitted under eaves or onto walls. This type opposite is a strong and popular, if heavy, concrete design from Schwegler. We have had success with this model at projects at London Zoo, Regent's Park, and (illustrated) in Northern Ireland.

Fitting the box

Good nest boxes are made to give many years of useful service, and so the fixings must be equally long-lasting. Use strong corrosion-resistant fixings appropriate to the wall material e.g. fittings designed specifically to work with brickwork, timber cladding, concrete or stone. The boxes may also be fitted to tall lamp-posts, pylons, chimneys, and to metal cladding, in which case the manufacturer's advice on suitable fixing methods should be obtained. If you have any doubts at all about your ability to fit the box, ask a professional to do it for you.

Keeping safe!

Before fixing or checking your Swift nest box, make sure your working conditions are safe. Use only appropriate access equipment, tools and fixings. Make sure all are in sound condition. Follow the guidance supplied by the manufacturers. Take special care when working at high level, on ladders, scaffolding or platforms. Seek professional advice beforehand whenever you are performing any task for which you have not been trained. Obtain and use the appropriate personal protective equipment required for the task.

Attracting the Swifts - using the Swift Calls CD

It can take a long time for Swifts to find a new nest place. But nest box occupation can be greatly speeded up if a recording of Swifts' attraction calls is played early in the nesting season (May -June) and again later on, in the latter part of July, when the juveniles are looking for places to nest in the following year. A CD of the calls is available from us - see our web site's "Shopping!" page. Best results are usually achieved if the loudspeaker is fixed adjacent to, or even inside the nest box, with the CD player/amplifier sited somewhere where it will be easy to operate, such as an indoor room. Any electrical item sited externally must be weatherproofed.

Checking use and success and maintenance

You don't need to clean out the boxes. Swifts nest naturally in holes and crevices, sometimes using the same places for many years, without any cleaning. In fact insects like clothes moths will eat up much of the nest material year on year, and keep the nest box from becoming cluttered with debris.

Building on success

If your box is successful, put up some more! Swifts nest in colonies, often quite loose ones, but they like a few neighbours. Indeed, a busy Swift colony will be a powerful attraction to other Swifts to come in and nest, the more the merrier!

CCTV and Audio

You may wish to fit CCTV cameras to observe the lives of the birds. You can also fit a microphone to transfer the sounds of the Swifts – great fun! Cameras should be very small, with minimal lighting (if any is used at all), must not emit any heat, and must not present any risk to the birds (as might come from loose cables or connections). They should only be fitted and adjusted outside the breeding season. If a camera fails while the birds are breeding, it should not be serviced until they have left the nest for good.

Do's & Don'ts

Do give the birds peace and quiet and every chance to breed.
Do try and keep a diary of the birds activity.
Do try and put your CCTV pictures onto the Internet so others can share them.
Do safely check the box each winter to make sure it is still sound and firmly fixed.

Don't stand and stare up at the nest box when the Swifts are around. It can put them off.
Don't disturb the Swifts at any time - they will desert the nest.
Don't attempt to handle the birds unless you are a BTO Licensed Ringer.
Don't allow creepers or plants to encroach on the nest. They will and give access to predators.

Enjoy your Swifts!

If you need more advice, please do contact us at mail@swift-conservation.org

Edward Mayer

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Swallow nest features x 5

Ideally these would be in outbuildings with access for birds, however have been suggested as under eave overhangs of garages as no suitable structures could be identified that these could be installed within. Install minimum of 2m above ground

No.10B Schwegler swallow nest

Vivara Pro WoodStone swallow nest

House martin nest features x 5

Under eave overhangs of garages, minimum of 2m above ground

Woodstone House Martin Nester

Eco House Martin Nest Box

Schwegler No.9B Double House Martin Nest