



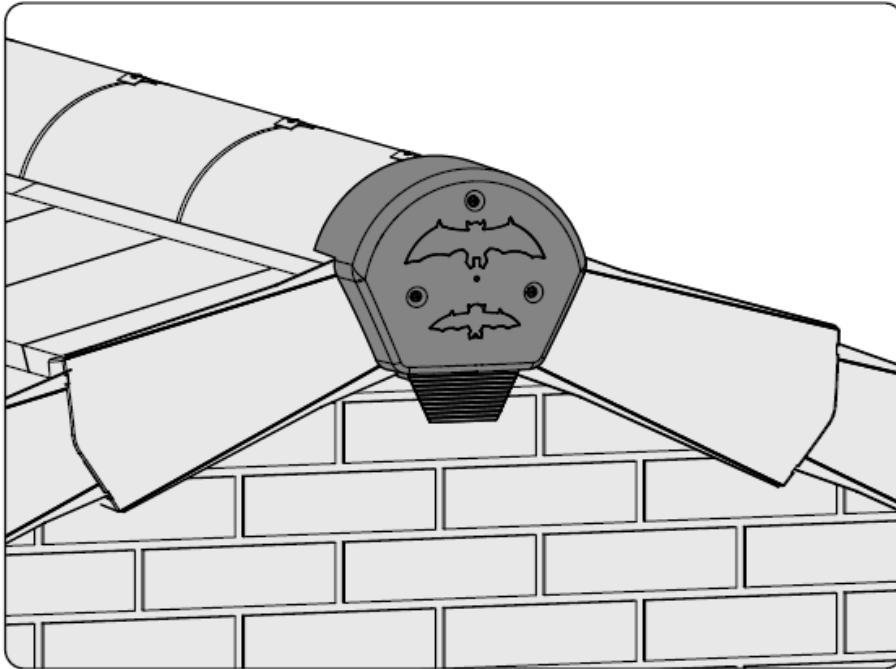
- LEGEND**
- APPLICATION BOUNDARY**
- EXISTING TREES / VEGETATION**
- Softworks**
- SEMI-MATURE TREE
 - EXTRA HEAVY STANDARD TREE
 - STANDARD TREE
 - HALF-STANDARD TREE
 - MULTI-STEM TREE
 - HEDGEROW PLANTING
 - ORNAMENTAL SHRUB / HERBACEOUS / GRASS PLANTING
 - SPECIMEN SHRUB PLANTING
 - AQUATIC PLANTING
 - BULB PLANTING
 - AMENITY GRASS SEEDING - AZ2 (Low Maintenance) seed mix by Germinal Seeds Ltd or equal and approved. 5g / m², overseed rate, 20g / m².
 - AMENITY GRASS TURF - Medallion turf by Rolawn or equal and approved.
 - GRASSLAND MEADOW MIX - WFG6 Clay Soils Mix by Germinal Seeds Ltd or equal and approved. 5g / m²
 - WET WILDFLOWER MEADOW MIX - WFG7 - EMBS Wild Flower Mixture for Wetlands by Emorsgate Seeds Ltd or equal and approved. 5g / m²
 - WILDFLOWER MEADOW MIX - WFG3 - EM1 Pond Edge Mixture by Emorsgate Seeds Ltd or equal and approved. 5g / m²
- Hardworks**
- BITUMINOUS MACADAM SURFACE - to vehicular areas to engineers details.
 - BITUMINOUS MACADAM SURFACE - to footpath/cycleways to engineers specification.
 - CONCRETE SETT PAVING - to front facing private drives Regular concrete sett paving by Marshalls Ltd. 160x120mm, 160x160mm, 160x240mm, all 80mm thick, COLOUR, offset herringbone laying pattern, laid 90 degrees to kerb.
 - CONCRETE SETT PAVING - to rear facing private drives Regular concrete sett paving by Marshalls Ltd. 160x120mm, 160x160mm, 160x240mm, all 80mm thick, COLOUR, offset herringbone laying pattern, laid 90 degrees to kerb.
 - CONCRETE BLOCK PAVING - to key junctions and raised tables Keyblock block paving by Marshalls Ltd. concrete block, 200 x 100 x 80mm, with smooth finish, chamfered, natural colour, laid herringbone pattern, 200mm soldier course to peripheral edge (where required)
 - CONCRETE SETT PAVING - to crossings, transitions and ramps Conservation X Self concrete block paving by Marshalls Ltd. 100 x 100 x 100mm, laid stack bond, textured finish, silver grey colour. NB: Kerbs to be 'Conservation' kerb (255mm x 145mm) by Marshalls Ltd, silver grey colour; laid flush either side of rumble strip.
 - CONCRETE PAVING SLABS - to private footpaths Pendle River Utility concrete paving slabs by Marshalls Ltd, 450 x 450 x 32mm thick, natural colour, riven finish, laid stack bond.
 - GRAVEL - pea shingle laid to a depth of 100mm over non-biodegradable geotextile membrane. Finished level to be 20mm below adjacent ground level
- Boundary Treatment**
- BRICK WALL - 1800mm high, 215mm wide brick wall, brick on edge coping, incorporating creasing tiles, brick type to match adjacent dwellings.
 - CLOSE-BOARD FENCING - 1800mm high close-boarded timber fence, treated softwood (min. 15yr life span)
 - GARDEN SEPARATION FENCING - Garden separation in accordance with developers specification.
 - ESTATE RAILING - 1200m high steel estate railing in black.

- Notes:**
- All proposed planting had been designed to reflect the guidance set out in Chapter 4 of the NHBC Standards and assumes minimum strip foundations (0.9m) and moderate shrinkable soil.
 - Structural engineers to review all proposed planting during technical design stage and advise of any species changes required to comply with NHBC Standards.
 - No detailed soil or foundation information was available at the time of drawing.
- FOR SOFT LANDSCAPE PROPOSALS REFER TO DRAWINGS CSA/7914/101-103
 - FOR HARD LANDSCAPE PROPOSALS REFER TO DRAWINGS CSA/7914/104-106
 - FOR STRUCTURAL OPEN SPACE PROPOSALS REFER TO DRAWINGS CSA/7914/107-109
 - FOR LOCAL AREA FOR PLAY (LAP) PROPOSALS REFER TO DRAWING CSA/7914/110

C	21/05/26	SS	Minor amendments
B	20/05/26	SS	Updates inline with revised layout
A	12/03/26	AC	Updates inline with revised layout
Rev	Date	By	Description
Drawing Status			
FOR PLANNING			
CSA environmental			
Dixies Barns, High Street, Ashwell, Hertfordshire SG7 5NT			
01462 743647 ashwell@csaenvironmental.co.uk csaenvironmental.co.uk			
Project North Harsham, Phase 1, Parcel 4			
Title Landscape Masterplan			
Client Bellway Southern Counties			
Scale	1:500 @ A1	Drawn	AC
Date	February 2026	Checked	JG
Drawing No.	CSA/7914/100	Rev	C



Appendix 2:
Bird Box, Bat Box and Hedgehog Fence Gaps
Typical Specifications



Manthorpe- Bat Ridge Roost



WoodStone House Sparrow Nest Box Estella



House martin nest (Vivara Pro- Woodstone



Swift Nesting Brick (Manthorpe)

E1585/EMMP/RMA4/R1/V2



Manthorpe Dual Swift Brick (Manthorpe)



Single Chamber House Sparrow Nest Box (Woodstone)

E1585/EMMP/RMA4/R1/V2



Hedgehog gap in fence



Appendix 3:
Installation guides for fitting bat and swift boxes

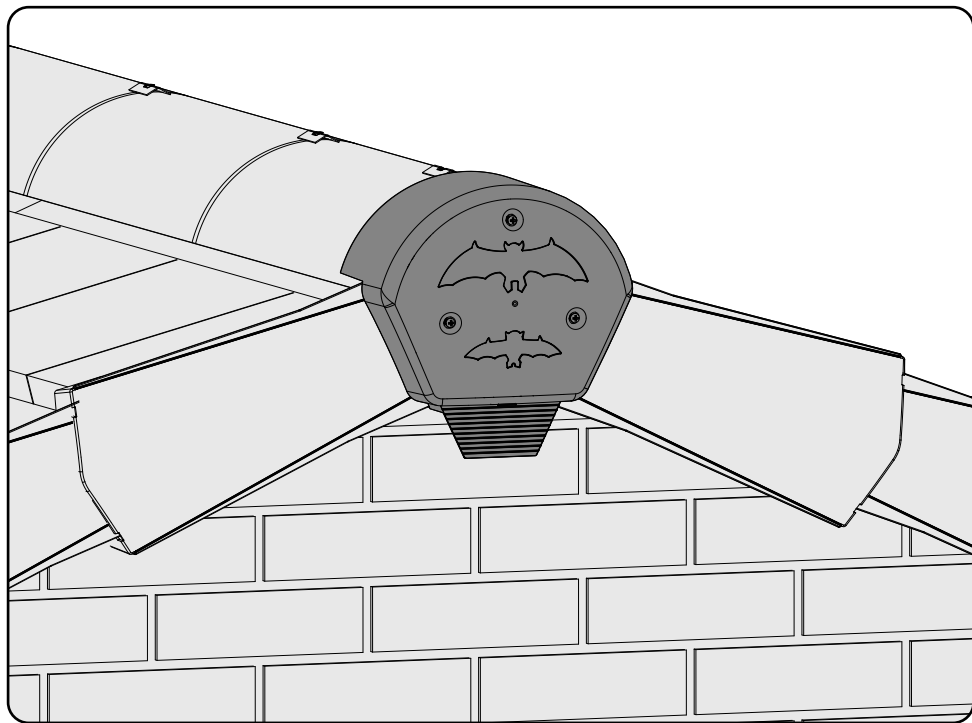
Manthorpe

Bat Ridge Roost

Fitting Guide

Code: GBAT-R

MBP_GU_1338_01



In partnership with the

Bat Conservation Trust

www.bats.org.uk



Bat Ridge Roost

Suitable roosting sites have declined in volume over recent years, but bats have an important place in the UK ecosystem. Bats are a protected species and conservation efforts are being made to preserve their roosts and habitats.

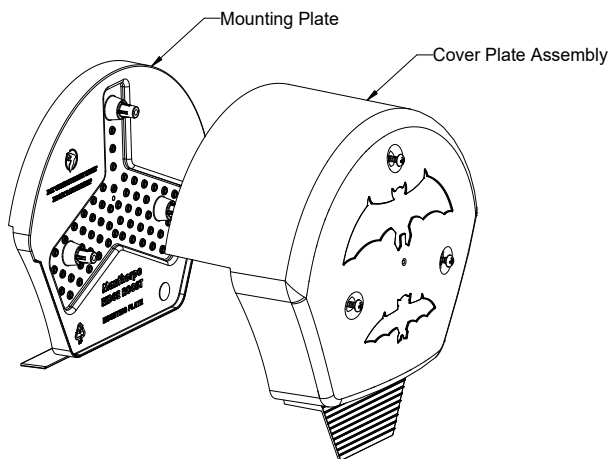
The Bat Ridge Roost, is a self contained habitat installed at the end of a ridge for the purpose of providing a suitable roosting site for small crevice-dwelling bat species such as common or soprano pipistrelles.

The roost is most likely to be used from March to October by small numbers of bats active during the period of the year between hibernation, when they require a safe place from which to forage in our towns and cities. Bats consume insects that are attracted to the vegetation and water in and around our gardens and landscapes. These provide food for the bats and contribute to a rich bio-diversity in our urban landscape.

The Bat Ridge Roost has been specifically designed in partnership with the Bat Conservation Trust (BCT). The product is a self contained, externally installed unit which offers no means of access for the bats to enter the property or the roof void. The habitat has been tested with the BCT and Reading University, to provide a secure, accessible and trusted environment for the bats to use as a roost.

System Components

The habitat is integrated within the cover plate assembly.



Compatibility

Optimised for use with the Manthorpe GPPV range of handed and ambidextrous dry verge systems.

The Bat Ridge Roost is also able to be used with other dry verge units not stated, including non-Manthorpe products, however there might be a potential shadow cosmetic line between the ridge roost product and the dry verge in these instances.

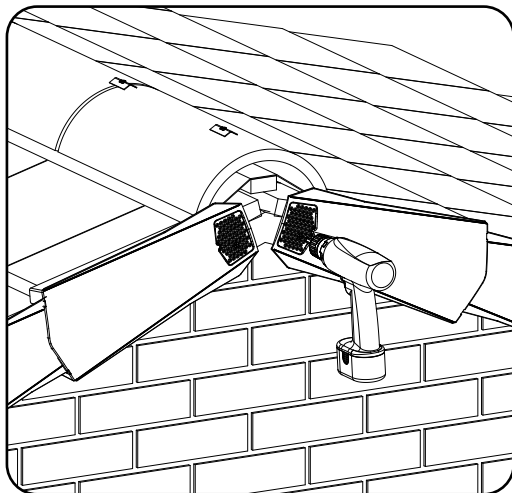
Appearance compromises may be visible between the product and the gable verge.

Preparation

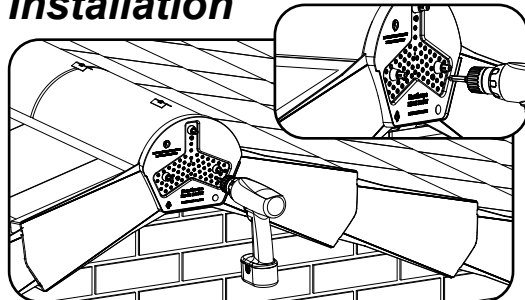
Prepare the gable verge and ridge prior to installing the Bat Ridge Roost

Prepare the roof in line with fitting instructions for the finished detail of the verge and ridge. For a dry ridge system, follow the manufacturers installation instructions to the end of the gable, ensuring the final ridge tile is secured in place. For traditional verge details, ensure the substrate is sufficient for a robust fixing. The Bat Ridge Roost can now be installed to the roof as prepared.

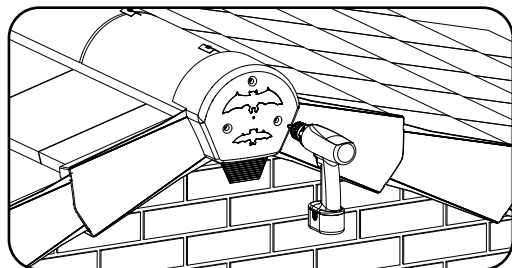
Note: The apex should ideally be greater than 4m from the ground.



Installation



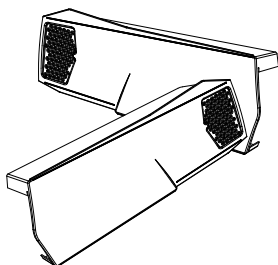
1. Fit the Mounting Plate onto the ridge end by aligning it with the ridge tile. Ensure the Mounting Plate is tight against the dry verge and clip in the tabs under the dry verge. Using two or more stainless steel fixings, secure the Mounting Plate into the longitudinal battens and the end of the ridge batten (where possible).



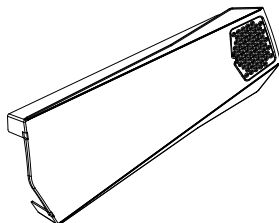
2. Slide the Cover Plate assembly over the Mounting Plate and line up the edges. Ensure it is fully in position before fastening the three pre-assembled screws to fix the plate securely into place.

**For further advice on maintaining and protecting a bat roost please contact the site ecologist or check out the BCT website:
www.bats.org.uk/advice**

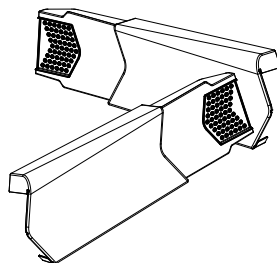
Dry Verge Systems available:



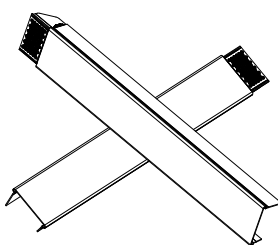
GPPV SmartVerge
(PP Handed)



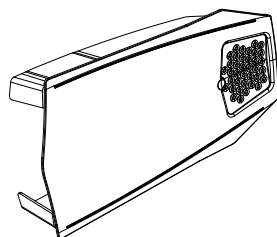
GPPV-AMBI SmartVerge
(PP Ambidextrous)



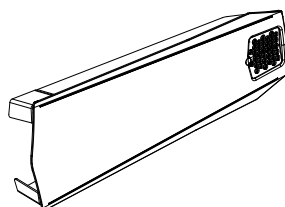
GDV SmartVerge
(PVCu Handed)



GLV Linear Verge
(PVCu Handed)



GPPV-IPT
(PP Interlocking
Plain Tile)



GPPV-TLE
(PP Thin Leading Edge)

Other products from the Manthorpe Range include Cavity Trays, Cavity Closers, Loft Doors, Access Panels, Roof Ventilation, Through Wall Ventilation, Drainage Channels, Dry Fix Roofing and Air Leakage Products.



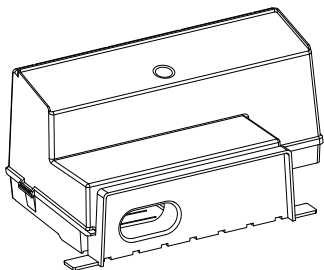
Manthorpe Building Products Limited

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W: <https://www.manthorpebp.co.uk>

Our Conservation & Biodiversity range:



Swift Brick

Code: GSWB

Minimum wall cavity 100mm

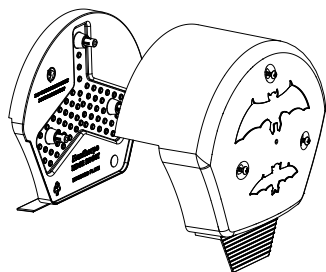
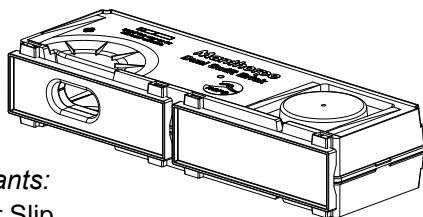
Available in the following colours:
Terracotta, Buff, Antique Red and White

Dual Swift Brick

Code: GSWB-DUAL

Minimum wall cavity 50mm

Available in the following colours | Variants:
Terracotta, Buff & Antique Red | Render Slip



Bat Ridge Roost

Code: GBAT-R

Externally mounted, no access to roofspace

Available in the following colours:
Terracotta, Grey, Black, Brown & Antique Red

Other products from the Manthorpe Range include Cavity Trays, Cavity Closer, Loft Doors, Access Panels, Roof Ventilation, Through Wall Ventilation, Drainage Channels, Dry Fix Roofing and Air Leakage Products.



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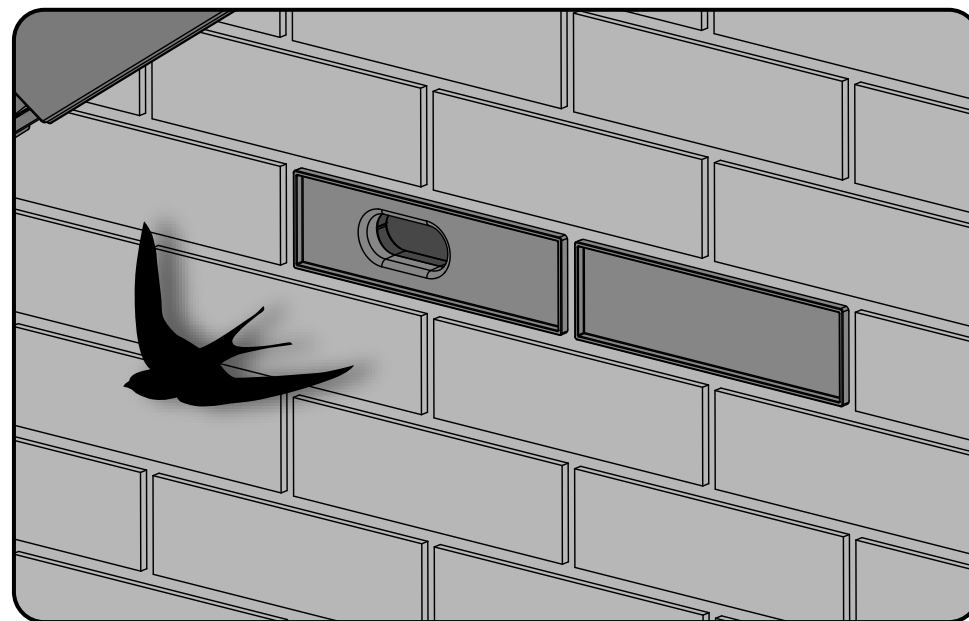
W: <http://www.manthorpebp.co.uk>

Manthorpe

GSWB-DUAL Dual Swift Brick

Fitting Guide

MBP_GU_1348_01



Developed in
partnership with:

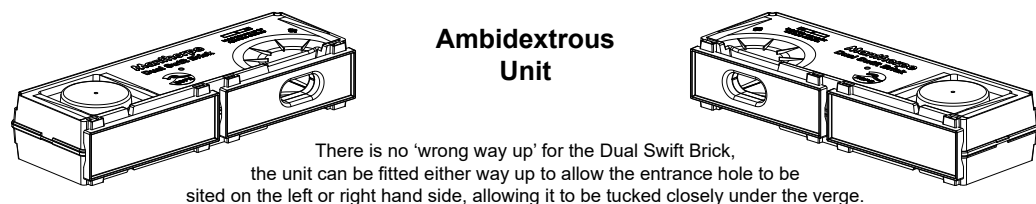
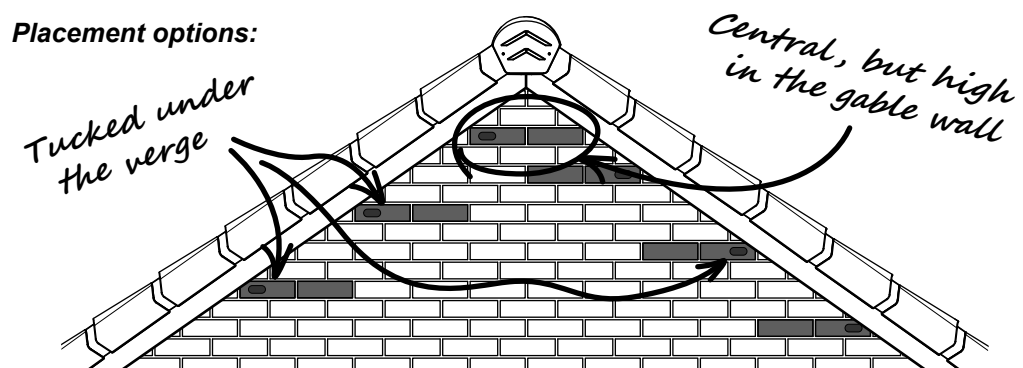


Action
for Swifts

Dual Swift Brick Location Requirements:

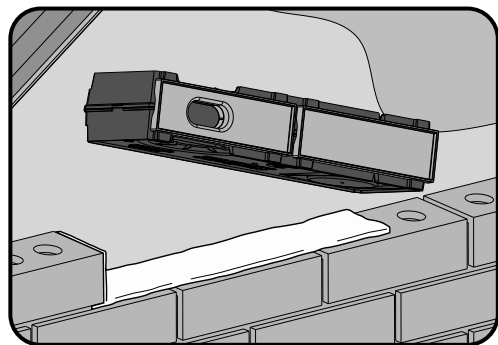
The nesting brick should be located high within the gable wall of the property, ideally at 5 metres high and above and over the level of the insulation zone. Where possible, install in locations that are unlikely to receive large amounts of direct sunlight during the hottest times of the day, ideal places include below the overhang of the verge and barge board.

Placement options:

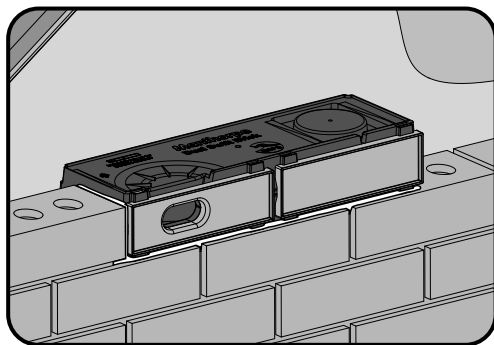


Installation - Brickwork

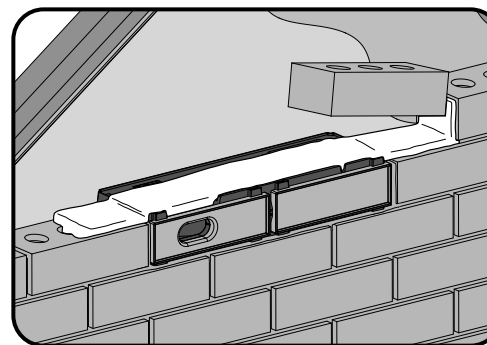
1. Brick up to the course that you require the swift brick to be on, continue to lay the course as normal until you approach the position for the product.



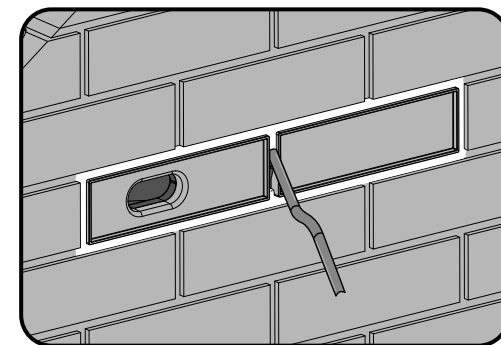
2. Lay a small bed of mortar along the course directly below where the swift brick will sit and against the perp end of the adjacent brick.



3. Bed the product into position, ensuring that the front edges of the brick slips are flush to the brickwork. The product should push down fully onto the brickwork below.



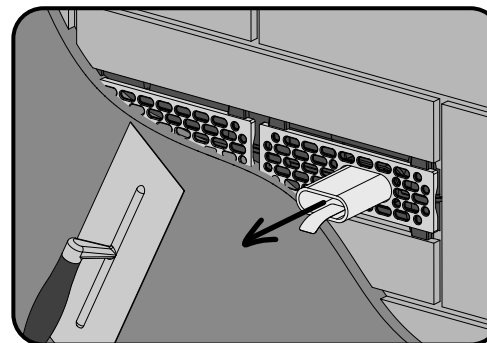
4. Continue bricklaying as normal, when laying the course above the swift brick, a small bed of mortar should be laid onto the upper surface. The bricks above will fully bed down onto the top of the product.



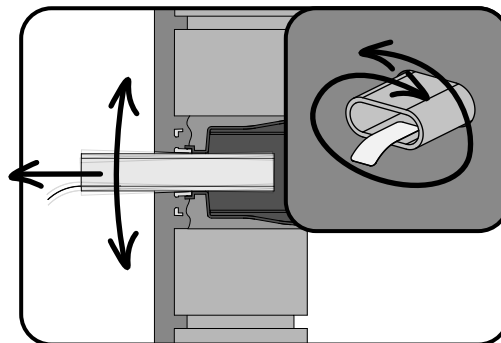
5. Once fully built into the wall, the two external brick slips can then be pointed into the surrounding brickwork to finish off the detail.

Installation - Blockwork / Render

6. If using the render slip version, build the unit into the block wall in the same manner as described for brickwork steps 1-4, with the use of additional 75mm coursing block to make up the course height difference.



7. Prior to application of the render, partially pull out the render bung using the tab provided to act as a former for the entrance hole. The wall can now be rendered, ensuring that the render is pressed firmly into the open slip holes and evenly around the bung.



8. Before the render has fully dried and is still in a semi malleable state, rotate the render bung in a soft circular motion to create a slight release angle within the render, allowing it to be gently pulled free. Any rough edges to the hole should be smoothed over once the render is dry.

NOTE. To prevent moisture bridging the cavity, a horizontal cavity tray such as the Manthorpe GW295 should be used above the product. The tray cannot be placed in the mortar joint directly above the swift brick, but can be positioned one course above.



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