

CAVITY TRAYS

EVERDRY STEPPED CAVITY TRAYS
FOR BRICKWORK - LEAD ATTACHED

DATASHEET

**Stepped leaded cavity tray system for multi cavity options
in brickwall constructions of 75mm course heights**

Use

- At the abutment of a pitched roof with a cavity wall.
- On external walls - not exceeding 120mm thickness - built from standard brickwork or similar sized components with regular course heights, including mortar of approx. 75mm.
- On roof pitches of 15 degrees and above.
- Clear cavity widths of between 50mm-110mm.
- For wider cavity widths contact Timloc Technical.

Features & Benefits

- Supplied with factory fitted lead flashing ready cut to suit the pitch of the roof and type of roof covering.
- High back upstand.
- Adjustable upstand to cover 50mm-110mm clear cavities.
- Roof pitch marks on tray upstand to give installation guidance.
- Cavity tray builds into outer leaf only to speed up installation and allowing both inner and outer leaves to be built independently.

Quality

- BBA Approved.
- Satisfies all NHBC requirements.
- Manufactured to BS EN ISO 9001 and BS EN ISO 14001.
- Complies with all relevant Building Regulations.
- Meets all relevant British Standards.

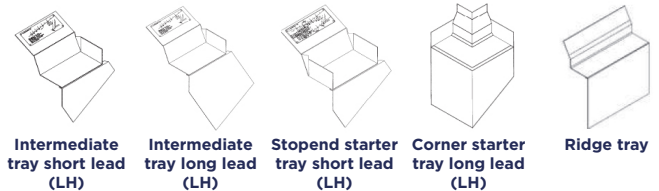
Material & Colour

- Flashings are Code Blue milled lead as standard as defined by BS EN ISO 12588 : 1999 (formally known as Code 4).
- All components in the range are injection moulded in 2mm polypropylene for added durability, toughness and quality.
- Available in black only.

Bill of Quantity

F30 Accessories/sundry items for brick/block/stone walling Clause 370 | PREFORMED CAVITY TRAY / ACCESSORIES

- Manufacturer: Timloc Building Products, Timloc House, Ozone Park, Howden, East Yorkshire, DN14 7SD. T: 01405 765567 W: www.timloc.co.uk
- Type(s) and location(s): Cavity tray with attached lead to be installed into brickwork over stepped/sloping roof abutments on new build and remedial work applications.
- Build in carefully in accordance with manufacturer's recommendations to ensure a fully watertight installation.
- Reference: e.g. 20001 Intermediate Tray (RH)
- Cavity width: 50mm - 110mm
- Roof pitches: 15° - 60° (please stipulate)
- Lead attachment: e.g. Code Blue short or long (please stipulate)
- (short lead - flat tiles/slates) (long leads - profiled roof tile).



Products in the Range

Intermediate trays

Suits all cavity options - forms main tray run with one tray on each course of brickwork running the full length of the abutting roof slope.

Stopend starters

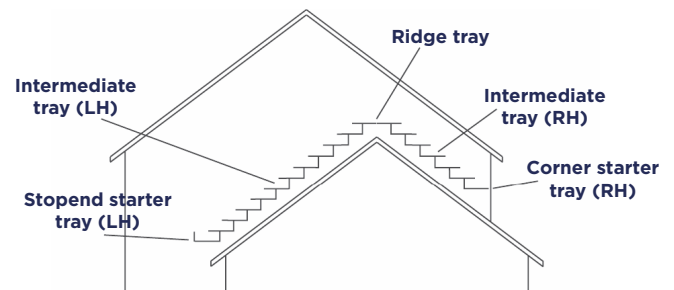
First component to be installed and fitted at the lowest point on a standard abutment. It collects water gathered by the rest of the system and discharges it from the wall through a weep unit.

Corner starter trays

Has same function as stopend starter tray but is used where the abutting roof comes up to, or beyond, the corner of the main building. Designed to return around the corner of the building to provide complete protection.

Ridge trays

Used where a right hand and left hand roof slope come together at an apex to straddle the top two intermediate tray.



How to Order

- To calculate quantities allow one cavity tray per course on each roof slope. One stopend starter or corner starter is needed per roof slope, and one ridge tray at each apex.
- Check roof pitch and select correct length of tray to suit it.
- Make sure correct handing is selected to suit the direction of each roof slope.
- Always state cavity width, roof pitch and coursing height to ensure correct goods are despatched.

Calculating Quantities of Stepped Cavity Trays

Stepped cavity trays are used where a pitched roof abuts a cavity wall. To calculate the quantity of trays required to cover a section of roof abutment one of three measurements must be determined, either the vertical height or the sloping or horizontal length of the abutment. If the vertical height is measured, simply divide this distance by the coursing height of the material being used for construction. E.g. If the vertical height is 1.5m and the wall is standard 75mm brick coursing (NB 75mm = 0.075m) the equation would be $1.5 \div 0.075 = 20$. Therefore 20 No. cavity trays are required per sloping abutment.

If the sloping or horizontal distance has been measured the tables shown below should be used to convert the distance (measured in metres) into the quantity of cavity trays. Take care to select the correct table and the appropriate column which relates to the coursing height and the pitch of the abutting roof. E.g. If the sloping measurement is 2.5m, at a pitch of 30°, with a 75mm brick coursing height the equation would be $2.5 \times 6.7 = 16.75$. This would be rounded up, so 17 No. cavity trays are required. E.g. If the horizontal measurement is 1.5m, at a pitch of 40°, with a 75mm brick coursing height the equation would be $1.5 \times 11.2 = 16.8$. This would be rounded down, so 16 No. cavity trays are required.

Installation Advice

- The core tray will suit clear cavity widths of 50-110mm
- Weep holes in starter and corner starter trays can be formed simply by installing purpose made Timloc plastic wall weep units (product 1143/Invisiweep)
- In areas of severe weather exposure, long continuous run of cavity trays and/or where particularly porous facing brickwork is used, we strongly recommend that extra weep holes are used at intermediate points along the run of cavity trays. Heavier code lead may also need to be specified with flashings fixed and sealed where they overlap
- Many components come in left or right handed versions. Handing is dictated by the direction of the abutting roof slope
- With pre-formed cavity trays such as Everdry it is not strictly necessary for the cavity tray to span all the way across the cavity. As long as the cavity tray stands back from the rear face of the stone and projects back into the cavity far enough to intercept drips falling from the wall ties, then it will perform effectively.

Product Codes

75mm brickwork coursing

Description	Length	Handing	Product Codes
			To suit clear cavity widths of: 50-110mm
Intermediate tray	Varies	RH	20001
Intermediate tray	Varies	LH	20002
Stoepend starter tray	225mm	RH/LH	20031/32
Corner starter tray	225mm	RH/LH	20041/42
Ridge tray	225mm	N/A	20061
Ridge tray	420mm	N/A	20062

For wider cavity widths contact Timloc Technical

When ordering, please state roof pitch and whether long or short leads are required.

Stepped cavity trays sloping measurement

Roof Pitch	Coursing height 75mm brick
10°	2.3
12.5°	2.9
15°	3.5
17.5°	4.0
20°	4.6
22.5°	5.1
25°	5.6
27.5°	6.2
30°	6.7
32.5°	7.2
35°	7.7
37.5°	8.1
40°	8.6
42.5°	9.0
45°	9.4

Stepped cavity trays horizontal measurement

Roof Pitch	Coursing height 75mm brick
10°	2.4
12.5°	3.0
15°	3.6
17.5°	4.2
20°	4.9
22.5°	5.5
25°	6.2
27.5°	7.0
30°	7.7
32.5°	8.5
35°	9.3
37.5°	10.2
40°	11.2
42.5°	12.2
45°	13.3

Free cavity tray specification and scheduling service

Contact Technical on 01405 782 769