

Specifications

Product name - group	Type G
Cavity widths accommodated	From 50mm up to 160mm
Dimensions – lengths	900mm 675mm 450mm Infill lengths to suit
Dimensions – angles	220mm x 220mm universal external 120mm x 120mm universal internal
Dimensions – Type G profile	124mm base x 215mm upstand max
Dimensions – Flashing to front	150mm or 300mm. Other widths available to order
Bespoke options	Yes. Standard product accommodates cavity up to 160mm. Specify flap extension for cavities up to 200mm.
Traditional construction compatible	Yes
Timber frame construction compatible	Yes
New work applications	Yes
Retrofit / Remedial applications	No – see Type E
Masonry skin styles	Trays available for all styles
Undulating / split masonry faces	See Designers' Comments for guide
Curved wall on plan applications	Yes – see Curved Wall entries
Congruent with other wall elements	No identified incompatibility
Arrested water evacuation	Via Caviweeps (selection) in perp joints
Thermal transmission of material	Negligible - 0.15 – 0.17

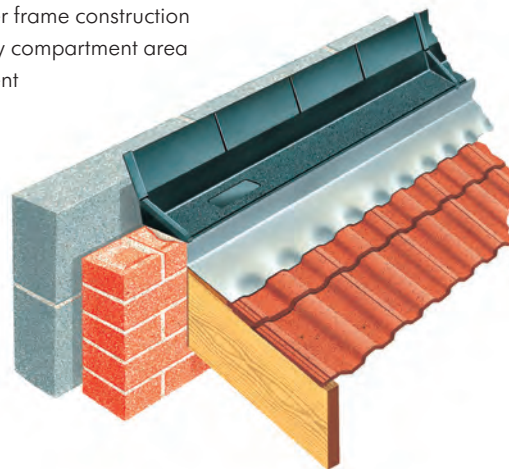
Use

To form a cavity-crossing horizontal DPC within a cavity wall. To overcome joint and support concerns in crossing the cavity. To eliminate the need to build into the inner skin. To ensure the external flashing arrangement servicing a horizontal DPC has a watertight union where it connects.

TYPE G

General purpose Cavitray for changes of level and building off the solid or ringbeam

- Easy and fast building-in with brickwork sized units
- Adjoining lengths interlock
- Adjustable upstand ensures cavity width compatibility
- Traditional or timber frame construction
- Unobstructed cavity compartment area
- Establishes consistent build quality detail



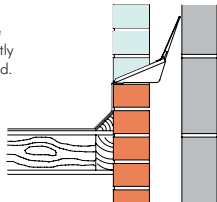
Type G Cavitray is available with an attached lead flashing (example 300mm). In this example the flashing is sufficient to dress directly over the abutting roof tiles.

Solution

The Type G Cavitray is a preformed general purpose DPC cavity tray for use when constructing changes of level and horizontal intersections in new building. Trays are supplied in preformed lengths and preformed angles, all of which have end upstands. Adjoining tray upstands unite and secure together within the perp joint – thus long runs are speedily created.

The back of the Type G Cavitray tray is hinged and self-supports, permitting it to adjust to suit whatever cavity width is encountered from 50mm up to 160mm inclusive. This independence permits the tray to take up the optimum shape and function within the cavity, regardless of the inner skin composition (blockwork or timber or concrete). The inner skin remains unperforated.

Type G cavity tray with lead attached used at a change of level to ensure the horizontal intersection is correctly damp-proofed and weatherproofed.



Type G Cavitytrays are supplied with an attached flashing bonded to the front of the tray (see following pages for Type G unleaded version). Being already attached eliminates the need to rake out the bedding mortar, then deal with the flashing as a separate site operation and return to point-in.

Where cavity trays adjoin, continuity of the flashing is maintained as each flashing extends beyond one end of the tray so it can interface with its neighbour (flashing alternatives are offered and listed on page 95). Rainwater penetrating the external skin is arrested within each tray and discharged out of the structure via Caviweeps located in perp joints towards the centre of each tray. The specifier may select from a range of Caviweep styles and colours to suit the project.

Use of a preformed Cavitytray for new horizontal intersections removes the uncertainties of site cutting, site fabrication and installer deviances.

Flashing Dimensions and Material Options —

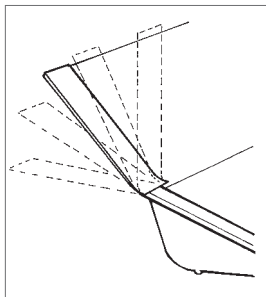
The standard flashing attached to this product is code 4 rolled milled lead flashing. Flashings are offered in two standard widths, 150mm and 300mm -see data panel. Different flashing weights upon request.

Alternatively, if a synthetic flashing is required, Perform synthetic flashing is available as a substitute in the same 150mm and 300mm dimension options. The full specification for Perform is included towards the end of the damp proofing section.

Dual Exposed Elevations —

Tray upstands always project upwardly in the cavity. The exception is where an inner skin is also externally exposed and receptive to the weather, as might be encountered in a parapet wall.

In such instances trays either incorporate an additional flap that turns down prior to making contact with the masonry, or should trays be back to back with others in the opposite skin, a clipping arrangement is provided to fulfil the same function. This approach prevents upstand under-tracking. We will be please to identify and advise should this requirement arise.



Flexible cavity upstand can accommodate the as-built cavity width

How to Order —

Select ideal flashing specification if attached flashing is required. Calculate internal and external angles and distances between divide by 900mm to obtain number of standard Type G lengths and infilling lengths of 675 and 450mm. Non-standard infilling lengths are available to order.

Note: As an alternative to ordering a special length, a separate self-adhesive tray end is available to permit installers to create a specific length. Please note trays with site-applied ends are the responsibility of the installer and are not covered by our performance warranty.

Designers' Comments —

Always check tray adopts optimum profile servicing cavity for unhindered functionality of tray with approved full or partial fill insulation present. When used within a diaphragm wall the dimensions of the Type G Cavitytray normally remain as standard, with tray back running through connecting cross-ribs. Any pooling is thus contained within the base against the exterior skin. See BS 8215 and PD 6697:2010 recommendations for design of masonry structures fulfilled by using the Type G Cavitytray.

Bill of Quantity / Specification Wording —

F30 -Clause 370 Preformed Cavity Trays

Manufacturer: Cavity Trays Ltd, Yeovil Somerset BA22 8HU Tel: 01935 474769

Type G horizontal Cavitytray with European Technical Approval to be installed at horizontal abutments on new build intersections / off ring beams etc. Tray to have attached projecting (code 4 lead) or (synthetic) flashing of _____mm girth. Build in carefully observing manufacturers' instructions to ensure watertight installation. Type G metres run _____. Internal angles _____. External angles _____.