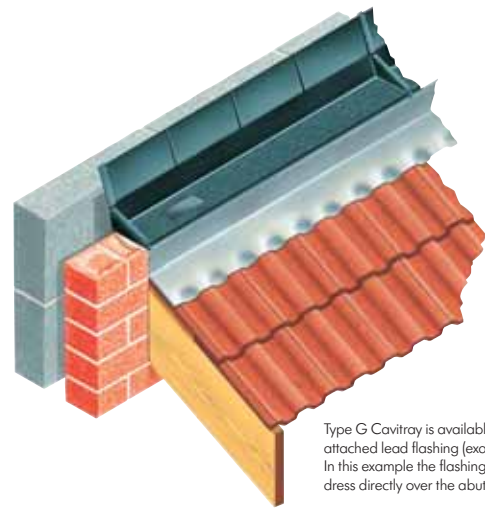


# Type G

## General purpose Cavitrays 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 Cavitrays is available with an attached lead flashing (example 300mm.) In this example the flashing is sufficient to dress directly over the abutting roof tiles.

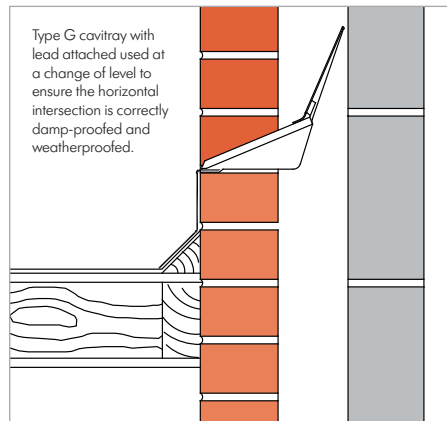
### USE

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.

### SOLUTION

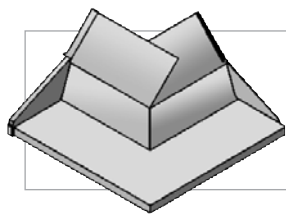
The Type G Cavitrays is a preformed general purpose DPC cavity tray for use when constructing changes of level and horizontal intersections in new building. Trays are supplied in preformed lengths and preformed angles, all of which have end upstands. Adjoining tray upstands unite and secure together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

The back of the Type G Cavitrays 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 (block work or timber or concrete). The inner skin remains unpunctured.

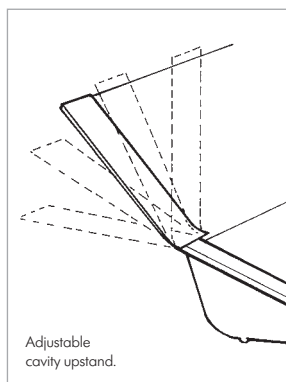


Type G cavitrays with lead attached used at a change of level to ensure the horizontal intersection is correctly damp-proofed and weatherproofed.

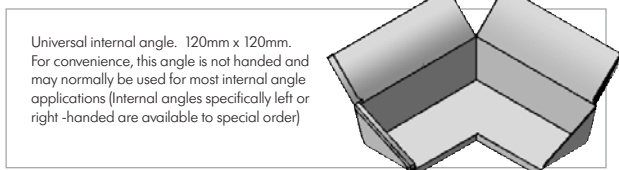
Type G Cavitrays may be supplied with an attached flashing bonded to the front of the tray or alternatively an external front weathering lip instead of a flashing. The advantage of the flashing attached option is, it eliminates the need to deal with the flashing as a separate site operation. It also establishes without doubt the union between tray and flashing is correct and positive. The mason is saved the task of having to return to site at a later date to point-in the union as flush pointing can be executed when the tray is placed.



Universal external angle. 220mm x 220mm. For convenience, this angle is not handed and may normally be used for most external angle applications. (External angles specifically left or right-handed are available to special order)



Adjustable cavity upstand.



Universal internal angle. 120mm x 120mm. For convenience, this angle is not handed and may normally be used for most internal angle applications (Internal angles specifically left or right-handed are available to special order)

### 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 Cavitrays 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 Cavitrays.

#### 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, 180mm, 225mm 250mm 300mm 360mm

#### 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

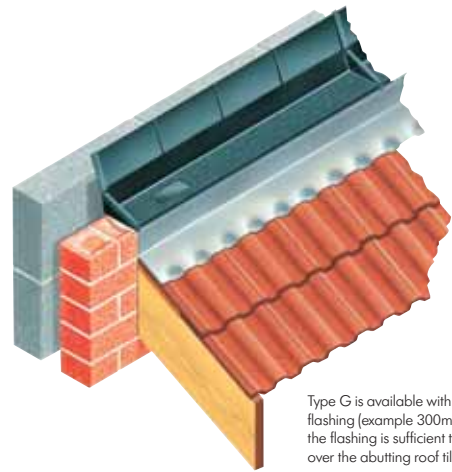
Negligible - 0.15 – 0.17



# Type G (continued)

## General purpose Cavitytray 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 is available with an attached lead flashing (example 300mm.) In this example the flashing is sufficient to dress directly over the abutting roof tiles.

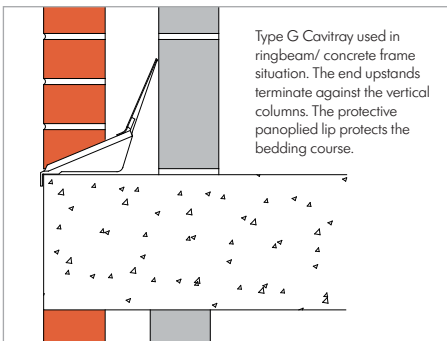
Where cavity trays adjoin, continuity of the flashing is maintained as each flashing extends beyond one end of the tray so it can interface with its neighbour. Tray flashings are automatically supplied in this manner. Unless otherwise stipulated, any attached flashing is of code 4 lead. Different lead weights are available upon request plus a range of flashing alternatives are offered and listed within the data panel. (Flashing material specifications appear later in this manual)

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. Gluing and lapping is not required, and functionality is independent of the inner skin.

### HOW TO ORDER

State number of standard lengths and angles required. Non-standard: provide drawing / dimensions and we will immediately advise.



Type G Cavitytray used in ringbeam/ concrete frame situation. The end upstands terminate against the vertical columns. The protective panoplied lip protects the bedding course.

### SPECIFICATION WORDING

Type G Cavitytray to horizontal intersections by Cavity Trays of Yeovil Somerset BA22 8HU (01935 474769).

Trays to have code 4 lead flashing attached size ( mm)

Metres run x ( )

Angles internal x no ( )

Angles external x no ( )

Request liability/conformity document upon completion.



Type G Cavitytray provides the horizontal protection and Type X Cavitytray the stepped protection



Type G Cavitytrays with attached lead flashings provide protection to the front horizontal intersection. Note the Type X cavitytrays used above the sloping abutment terminate with an external angle. This provides a protective link with the Type G cavitytrays.

#### MATERIAL – TRAY

Petheleyne DPC

#### MATERIAL – FLASHING

Code 4 lead BS EN 12588,2006

#### MATERIAL – FLASHING ALTERNATIVES

Synthetic flashing with colour option

Copper

Aluminium

#### COLOUR

Black

#### EXTRUDES / COMPRESSES UNDER LOAD

No

#### PACK SIZE

No minimum

#### CFC

CFC Free

#### ODP

Zero

#### REGULATION COMPLIANCE

Yes can be used to satisfy arrestment

#### MAY BE USED IF CAVITY INSULATION PRESENT?

See Designers' Comments ref type.

#### CAD DOWNLOADS

Yes

#### DESIGN CONSIDERATIONS

Wider cavity range now accommodated



### 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 cavitytrays 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.

