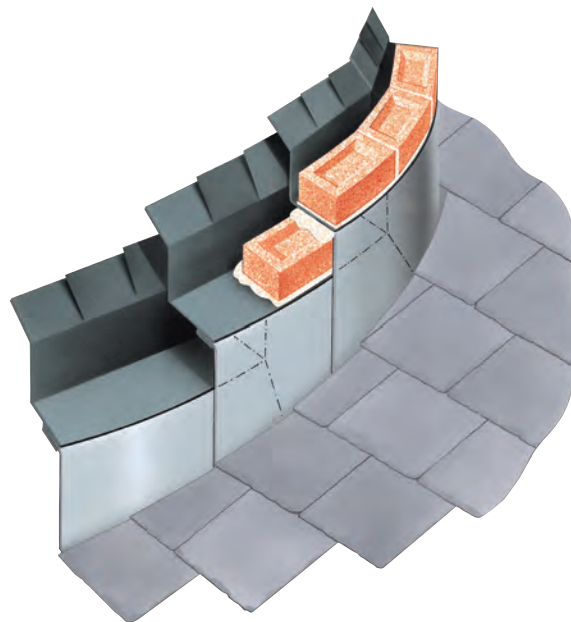


## Specifications

Product name - group	Curved Cavitrays
Cavity widths accommodated	From 50mm up to 400mm
Dimensions	Lengths, and dimensions variable
Bespoke options	All manufactured on this basis
Traditional construction compatible	Yes
Timber frame construction compatible	Yes
New work applications	Yes
Retrofit applications	Some options
Masonry skin styles	Subject to evaluation
Undulating masonry faces	Compatible in most instances
Congruent with other wall elements	Identified when evaluated
Arrested water evacuation	Via Caviweeps (selection) in perp joints
Thermal transmission of material	Negligible - 0.15 – 0.17
Material	Polypropylene and Petheleyne DPC
Colour	Black / Grey
Extrudes / compresses under load	No
Pack size / weight	Varies pending design
CFC	CFC Free unless advised
ODP	Zero unless advised
Regulation compliance	Proposals to meet requirements
May be used if cavity insulation present?	Pending proposed design
CAD downloads	Supplied following evaluation

## CURVED CAVITRAYS ON PLAN

- Damp-proof trays and flashing in one unit
- Ready to use module Cavitrays on bespoke basis
- Cavity width adjustment ensures compatibility
- Integral stopend and water-check
- Permits easy regulation compliance



### Use

Bespoke versions of Cavitray suitable for use in curved masonry and masonry forming structures that are circular or constructed with a face that undulates.

## Solution

When a cavity wall is curved on plan, DPC Cavitytrays of matching radii ensure the protection in the bedding course is uniform, flat and uninterrupted. Curved trays within the cavity ensure the cavity compartment is adequately protected and the cavity upstands are able to service the maximum cavity width.



Trays can be supplied concave or convex in the following tray types.

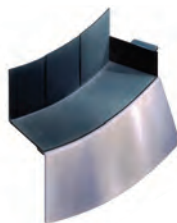
- Curved Window and Door Openings
- Curved Parapets
- Curved Gable Abutments
- Curved Horizontal Abutments
- Curved Arresting Barrier Applications

## Designers' Comments

Air tightness of the inner skin is not compromised using trays that require no adjacent skin support. Always consider the effects of pinch points in masonry curves and provide movement opportunity. In curved parapets consider possible accentuated masonry ratcheting. Use of Type P Cavitytray avoids separating upper masonry mass at DPC level in both skins so offers better structural arrangement. If partially insulating a curved cavity, use a medium that can flex to match rather than a rigid material that will flat-plane only.

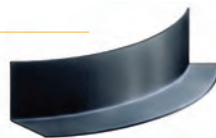
### Type X Cavitytray for Curved Gable Abutments

Where a pitched roof abuts a curved wall, the angle of the roof may remain constant but the actual angle of intersection differs on every course, depending at which point it meets the curved wall. In the example shown the size of every tray is different. The protective arrangement commences with a catchment tray followed by differently sized intermediate trays and finishes with a horizontal ridge tray. Each flashing is proportioned to suit the course encountered. In instances where a pronounced curve might inhibit easy handling, lifting and dressing of attached flashings, the flashings are supplied separately. See pages relating to Type X Cavitytray.



### Type Q Cavitytray for Curved Walls requiring Arresting Barriers

Curved Type Q trays eliminate the requirement to provide support from the inside skin. In contrast the use of roll DPC requires support and suffers surplus puckering within the cavity in concave situations and material stretching in convex applications. The curved Type Q can maintain a consistent base and cavity presence. See pages relating to Type Q Cavitytray.



### Type G Cavitytray for Curved Horizontal Intersections

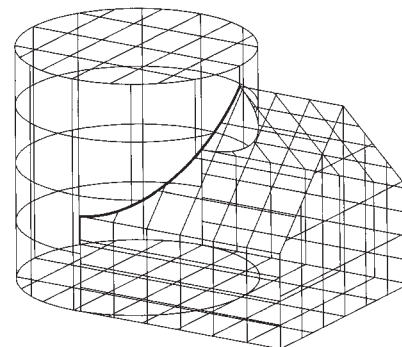
Modified versions of the Type G Cavitytray provide protection where horizontal intersections and curved cavity walls meet. The base dimension is commonly widened where the arc and use of rectangular blocks results in the cavity being slightly impinged where ends of blocks meet.

See pages relating to Type G Cavitytray.



### Type C Cavitytray for Common Openings

Where walls are curved the Cavitytray is supplied to match the arc created by the lintel. Where the curve is very slight and the opening width is not extensive, straight lintels can be considered. In such instances a straight cavitytray can be used with widened ends to provide full DPC coverage where the straight lintel line strikes the masonry arc. See pages relating to Type C Cavitytray.



Despite the angle of the abutting roof being constant, the angle of intersection differs on every course, depending at which point it meets the curved wall.

## Bill of Quantity / Specification Wording

### F30 - Clause 370 Preformed Cavity Trays.

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

Curved Cavitytray to be incorporated where scheduled within cavity walls. Build in carefully observing manufacturers' instructions to ensure watertight installation. See specialist drawings and schedule.