

# 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 Cavitrays 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.



Typical example of gable abutment against convex masonry (see line drawing opposite).

In comparison roll material is obliged to be laid in a series of straight lengths that cannot mirror the curve resulting in shortfalls from or projections beyond the finished masonry face. 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 Cavitray 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 C Cavitray for Common Openings

Where walls are curved the Cavitray 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 cavitray 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 Cavitray.



### Type P Cavitray for Curved Parapets

Functionality of the Type P curved parapet tray is unaffected by concave or convex masonry and is able to cope with the concentrations of water wash prevalent in concave situations where wind and gravitation accentuate localised volumes. At higher level the under-coping DPC requires support and consideration should be given to using bespoke Type J Support Closers. See pages relating to Type P and Type J.



#### 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

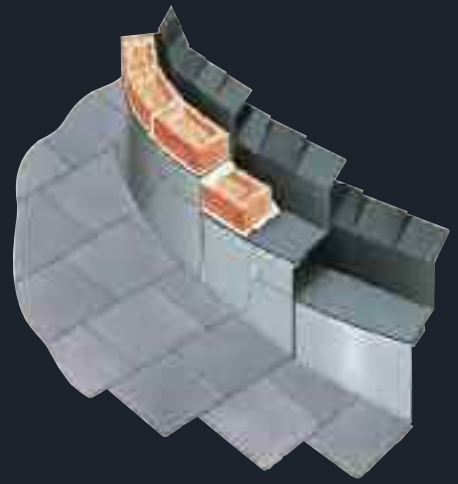
#### CAD DOWNLOADS

Supplied following evaluation



# Curved Cavitytrays on Plan (continued)

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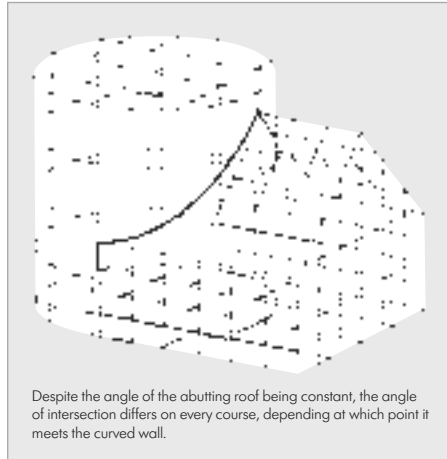
## Type X Cavitytray for Curved Gable Abutments

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. 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.



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.



## 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.

## HOW TO ORDER

We will take-off and schedule your requirements and submit for your consideration.

## SPECIFICATION WORDING

Curved ( state product description as main page entry ) by Cavity Trays of Yeovil Somerset BA22 8HU (01935 474769).

Request liability/conformity document upon completion.

