

## Specifications

Product name - group	Type P
Cavity widths accommodated	From 50mm up to 175mm
Dimensions	2440 x 25 lip x 110 x 150mm drop Angles 450mm x 450mm Allow 150mm glove lap to join
Bespoke options	Yes - all skin & construction variances
Traditional construction compatible	Yes
Timber frame construction compatible	Modified version
New work applications	Yes
Retrofit applications	Necessitates parapet rebuilding
Masonry skin styles	No known limitation
Undulating / split masonry faces	Yes – but inboard face must be aligned
Curved wall on plan applications	Yes – see Curved Wall entries
Congruent with other wall elements	No identified incompatibility
Arrested water evacuation	Cross-cavity deflection / gravitation
Thermal transmission of material	Negligible – 0.15 - 0.17
Material	Polypropylene DPC
Colour	Black
Extrudes / compresses under load	No
Pack size / weight	Available individually
CFC	CFC Free
ODP	Zero
Regulation compliance	Yes can be used to satisfy arrestment
May be used if cavity insulation present?	Functionality not affected
CAD downloads	Yes
Design considerations	Flashing must be able to drop vertically and unhindered. Consider increasing the base and lip dimensions if an alternative flashing style is used.

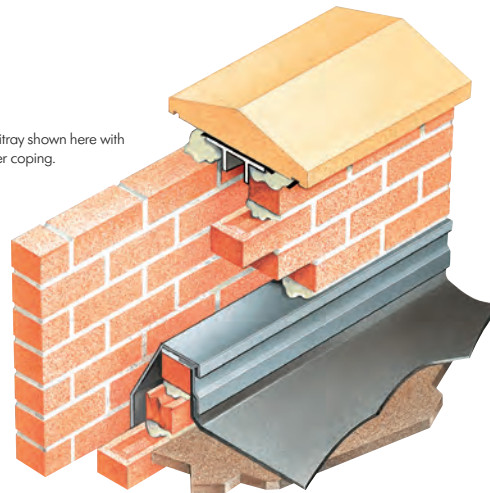
## TYPE P

### Cavitray for Parapet Walls

- DPC integrity regardless of wind direction
- Enhanced parapet structural stability
- Takes up cavity variances
- Unobstructed cavity compartment area
- Lip protects flashing bedding course
- Outward stepping profile stops under-tracking
- Eliminates course interruption and band banding



Type P Cavitray shown here with Type J under coping.



### Use

To provide protection against damp penetration where a parapet wall rises above roof level.

Building Regulation  
compliance and  
structural continuity  
of masonry skin

## Solution

Both skins of a parapet wall are outer skins, and accordingly accept moisture. The purpose of the Type P Cavitray is to arrest water penetrating the exposed exterior 'inboard' skin of the parapet before it becomes an internal wall below the roof level. The Type P is a horizontal DPC, manufactured from semi-rigid polypropylene. Supplied in preformed lengths and angles, the Type P permits parapet protection to be consistently established to provide a long service life.

The traditional approach to protecting parapets necessitates a DPC built into one skin crossing the cavity at an angle and being supported in the skin opposite. This weakens the structural arrangement. In contrast the Type P is self-supporting and requires building into one skin only. Accordingly the structural stability of the parapet is enhanced.

Type P Cavitray lengths and angles require bedding in mortar and adjoining sections glove lapped 150mm. A lead flashing positioned as detail under the inboard slip should be incorporated when the Type P is installed.

When the parapet is completed, water originating from the skin adjacent to the roof is directed to converge with water penetrating the parapet's outer skin where it gravitates in the normal manner.

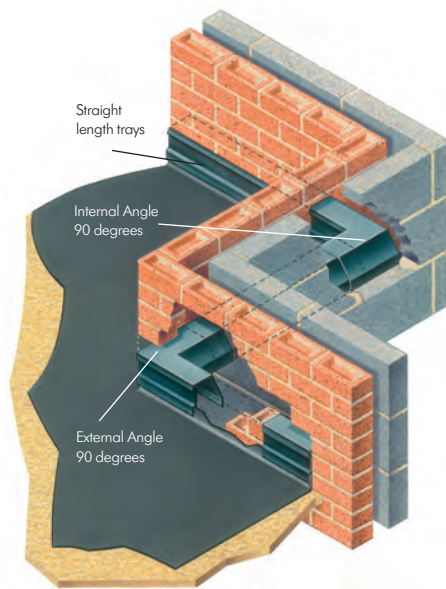
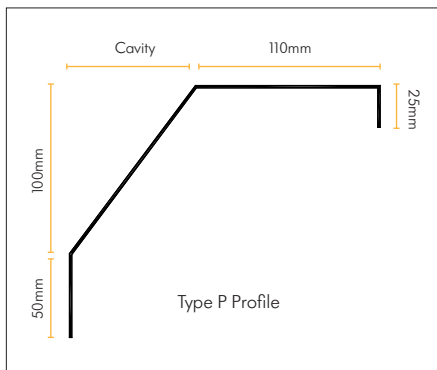
## How to Order

State number of lengths and angles allowing for 150mm laps. Alternatively submit drawings for us to schedule.

## Designers' Comments

Early British Standards showed the DPC in a parapet stepping inwardly. Cavity Trays Ltd submitted evidence that showed an outward step was safer and eliminated the opportunity for penetrating water to track on the underside of the DPC towards masonry that had become internal. Subsequent Standards were changed and illustrated the profile we advocated.

PD 6697:2010 illustrates the correct outward stepping profile (page 47) but the specification on page 46 contradicts advising stepping 'towards the inner or outer part of the wall'. We suspect it was not intended to suggest both options are appropriate and reference to an inward sloping arrangement should be deleted from PD 6697:2010? An inward-sloping profile can support water under-tracking following settlement along the bedding course and is unacceptable within any parapet.



## Bill of Quantity / Specification Wording

### F30- Clause 370 Preformed Cavity Trays

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

Type P horizontal Cavitray to be installed in all parapet walls at designated height above roof level. Build in carefully incorporating flashing to dress over roof upstand as work proceeds observing manufacturers' instructions to ensure watertight installation. Type P metres run \_\_\_\_\_. Type P Internal angles \_\_\_\_\_. Type P External angles \_\_\_\_\_.