

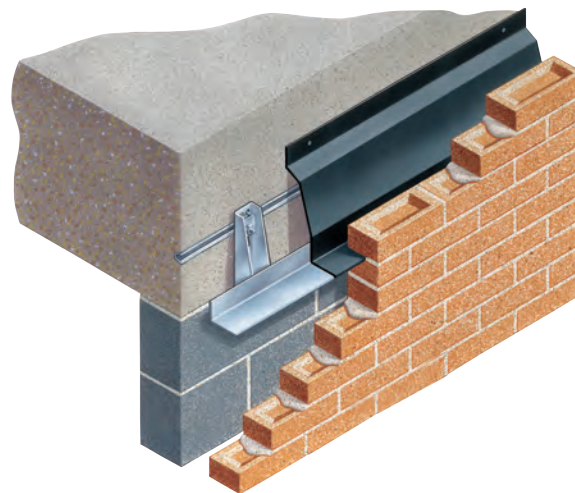
Specifications

Product name - group	Masonry Support Cavitrays System
Cavity widths accommodated	From 50mm up to 150mm
Dimensions	Lengths @ 2440mm Profile dimensions vary to suit support system type and cavity width.
Bespoke options	Yes
Traditional construction compatible	Yes
Timber frame construction compatible	N/A
New work applications	Yes
Retrofit applications	No
Masonry skin styles	Most with pistol or full base on steel
Undulating masonry faces	Compatible
Curved wall on plan applications	Yes – see Curved Wall entries
Congruent with other wall elements	Analysed during bespoke preparation
Arrested water evacuation	Via Caviweeps (selection) in perp joints
Thermal transmission of material	Negligible – 0.15 – 0.17
Material	Polypropylene DPC
Colour	Black
Extrudes / compresses under load	No
Pack size / weight	Varies pending design
CFC	CFC Free
ODP	Zero
Regulation compliance	Yes can be used to satisfy arrestment
May be used if cavity insulation present?	Analysed during bespoke preparation
CAD downloads	Yes

MASONRY SUPPORT

Cavitrays Systems

- Maximises DPC protection against water ingress
- Pre-shaped to match support system
- Consistent shape and build detail
- Clear cavity compartment area



Use

To provide DPC protection where masonry rises off a metal support system.

Solution

When constructing off a masonry support system, the DPC is commonly incorporated at a higher level than is ideal. This is because of the difficulty in bringing together and maintaining a consistently profiled relationship using roll material on steel. The DPC protects, but does not protect to the maximum extent. Water remains able to ingress into the steelwork.

Masonry Support Cavitytrays are semi-rigid DPCs supplied preformed in ready-to-use lengths. They are specifically designed to integrate with whatever masonry support system is being used. Cavitytrays locate onto the steelwork, thus affording full protection. Trays are self-supporting within the cavity and usually secured against the inner skin using accompanying Cavistrap.

Type Z Cavistrap is manufactured from semi-rigid PVCU and is profiled to provide consistent pressure to hold the top of the Masonry Support Tray in place. See Type Z Cavistrap product entry for further details.

Where some types of pistol bricks are used, the base terminates at the steel support edge.

Paradoxically, if building-in the tray several courses higher is considered acceptable because the specific choice of metal support system is appropriately resistant to water tracking, the Cavitytray system can still be deployed at this higher level, and the benefits of promoting a preformed consistent shape used to advantage.

Adjoining lengths and mitred angles are readily linked using sealing strip. Stopends and special fabrications are available to complement the system.

How to Order

Submit drawings for profile and application suitability. Schedules will be prepared. Alternatively state specific profile you require.

Designers' Comments

The Masonry Support Cavitytray was originally jointly developed with Ancon. It was identified the preformed Cavitytray offered parallel running with the angle of the steel support bracket, and this made it possible to maximise the extent of the cavity compartment area without distortion. In comparison, roll material can misshape if brackets deflect at intervals. Water evacuation via Caviweeps provides opportunity to ventilate the cavity – and so doing aids the equalising of the pressure differential in the cavity that in turn influences the masonry receptiveness to water penetration. Compatible Caviweep presence promotes wet masonry to discharge and dry out rather than remain damp. Thus the likelihood of water retention and discolouration banding can be minimised.

The building-in requirements of the masonry support manufacturer must always be adhered to and tying-in observed to ensure a satisfactory securing and anchoring of the external skin.



Bill of Quantity / Specification Wording

Masonry Support Cavitytray System by Cavity Trays of Yeovil Somerset BA22 8HU (01935 474769).

For use where external masonry skin rises off masonry supports. Measured run in metres. Request liability/conformity document upon completion.