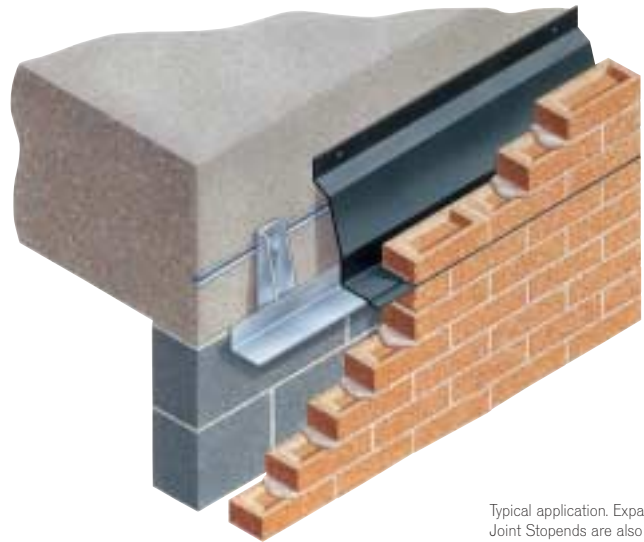


# Masonry Support Cavitray Systems



Typical application. Expansion Joint Stopends are also available to make provision for expansion and contraction and at the same time provide continuity of dpc protection.

- Profiles to suit all types of support systems
- Maximum dpc protection against water ingress
- Available to suit all cavity dimensions
- Pre-shaped ensures consistent build quality
- Wastage can be eliminated

DAMP-PROOFING

phone 01935 474769 fax 01935 428223 email enquiries@cavitytrays.co.uk

Cavity Trays

## designers' comments

Parallel running with the angle of the support bracket is possible to maximise the cavity compartment area without suffering distortion. This is not usually possible with conventional material especially where the bracket style protrudes or changes plane at the bracket top. The use of dual function caviweeps provides a water exit route whilst also allowing the cavity to breathe. This is important when one considers the unventilated void that is created between steel support and the underside of a conventional dpc installed one course higher. Cavity masonry with consistent and balanced cavity ventilation and accompanying water evacuation is one of the objectives. Such construction does not suffer saturation and the discolouration of masonry witnessed in bands around structures wherever an unventilated water-retentive void is present. Visual impairment is thus minimised in the long term.

## technical observations

This Masonry Support Cavitray utilises more than one previously patented design held within our portfolio and additionally is a revised style.



## problem

The efficient fabrication, incorporation and functionality of a dpc system within an exterior skin built off a metal masonry support system.

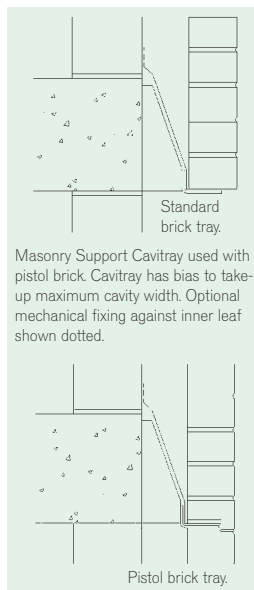
## introduction

When constructing off a masonry support system, the dpc is commonly incorporated at a higher level than is ideal. This is because of the difficulties of bringing together and achieving a consistently profiled relationship between the metal angle support and roll-out dpc material. The resultant practice of incorporating the dpc a course or two higher provides protection – but not to the maximum extent. Penetrating water can be retained within the masonry sitting on the support angle. Furthermore, pending the proximity and cleanliness of the steel assemblies, in some circumstances water can track inwardly towards the inside skin. Use of a Masonry Support Cavitray can eliminate such shortfalls and speed up the construction process.

## solution

Masonry Support Cavitrays are semi-rigid dpc's supplied

performed in ready-to-use lengths. They are specifically manufactured to integrate with whatever masonry support system you are using. Conventional roll material can distort, sag and become misplaced, but Masonry Support Cavitrays being preformed, overcome these deficiencies. Their consistently profiled shape also permits incorporation at the optimum course level, rather than at a compromised level.



Masonry Support Cavitray used with pistol brick. Cavitray has bias to take-up maximum cavity width. Optional mechanical fixing against inner leaf shown dotted.

Cavitrays are self-supporting within the cavity. However, pending the profile selected there is an option of mechanically fixing the upstand

to the inside skin if required. (See Cavitray entry). Adjoining lengths and angles formed by mitre cutting are readily united with the application of a cavitray tape. Stopends and special fabrications are available to complement the system.

Wastage, misplacement, and site errors can be eliminated with use of the Masonry Support Cavitray. Water penetrating the external skin is arrested by the cavitray at the optimum level (see Designers Comments) and evacuated out of the structure via caviweeps positioned within perp joints.

## sizes

Please advise type of support system you are using so the appropriate profile can be offered. Cavity widths accommodated up to 150mm maximum. Preformed lengths of 1200mm and 2400mm. Schedules can be prepared detailing your site requirements. Cavitray joint tape supplied in rolls 100mm x 30 metres.

## material

Cavity biased Pethelleyne / polypropylene.

## colour

Black.

## installation/site work

Masonry Support Cavitrays should be incorporated at the appropriate stage in construction following good practice and recommendations of BS5628 and Robust Details.

Ensure each length is correctly positioned (Secure against inside skin if required using Cavitray). Lengths and angles to be joined using Cavitray tape. Instructions accompany all consignments.

## bill of quantity wording

Bespoke Masonry Support Cavitray by Cavity Trays of Yeovil, Somerset. BS22 8HU. (01935 474769). Build in to all masonry support levels. Schedule provided by Cavity Trays Ltd. Measured metres run =

## ordering/building regulations

See inside back cover.

## related products and applications

For water evacuation see caviweeps Type W, Beak, Euro and Small Adjustable.

For optional mechanical fixing see Cavitray.