

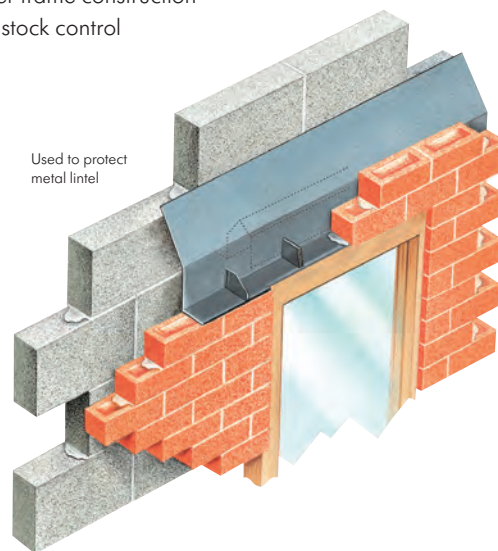
Specifications

Product name - group	Type C
Cavity widths accommodated	From 50mm - Most widths accommodated
Dimensions	All dimensions and shapes variable. Popular profiles illustrated
Bespoke options	Yes
Traditional construction compatible	Yes
Timber frame construction compatible	Yes
New work applications	Yes
Retrofit applications	See Type E entry
Masonry skin styles	No known limitation
Undulating masonry faces	Compatible
Curved wall on plan applications	Yes – see Curved Wall entries
Congruent with other wall elements	No identified incompatibility
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	No minimum
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	Lip projections to opening only with set back over-sailing to ends available as option

TYPE C

Preformed DPC Cavitrays for use with lintels over openings in cavity walls

- Ready-shaped DPC trays for all lintel styles
- Wastage and inaccurate site fabrication eliminated
- Ensures consistent build details and regulation compliance
- Unobstructed cavity compartment area
- Traditional or timber frame construction
- Accurate cost and stock control



Use

To ensure openings in cavity walls are adequately protected against damp penetration and appropriately shaped to harmonise with whatever style of lintel is deployed. To ensure the compatibility of the horizontal protection with any adjacent vertical closing.

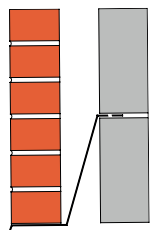
Solution

Type C Cavitytrays are preformed horizontal DPC trays designed to be used with all styles of lintel. Trays provide harmonising yet independent protection against damp. Each tray is manufactured from solid DPC material shaped to suit the lintel styles and lintel arrangements over the opening.

British Standards state "the cavity tray should step down or slope across the cavity not less than 150mm towards the external leaf and, preferably, terminate in a small drip on the face of the wall".

The use of preformed Type C Cavitytrays provides an assured method of compliance.

The Type C is self-supporting. There is no need to build into the inner skin. However, an inner skin return option is available on request. (shown dotted).



Being preformed eliminates the danger of misplacement, sagging and installation deviances associated with conventional roll material. It also means every opening is uniformly addressed, with assured functionality. The necessity to cut and fabricate on site is eliminated, as is the associated wastage. Type C Cavitytrays can be scheduled alongside the lintel schedule, making purchasing and stock control easy.

The shape and dimensions in which Type C Cavitytrays are available is almost unlimited.

The overall length of each tray exceeds the opening dimension and projects into the masonry either side of the opening. The projection is 300mm each side unless otherwise requested. This exceeds the minimum dimension demanded by the NHBC and provides additional shelter and protection of the reveal vertical closing arrangement. It also increases the convenience of perp joint locations to accommodate the obligatory stepend each end of the cavitytray.

Using Type C Cavitytrays

Accompanying Requirements Stopens

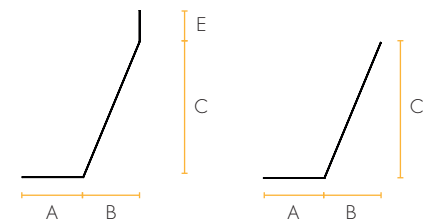
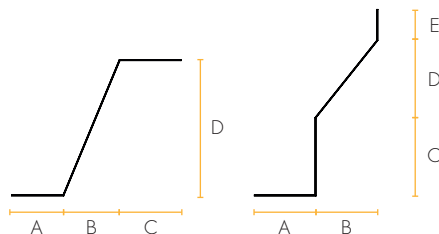
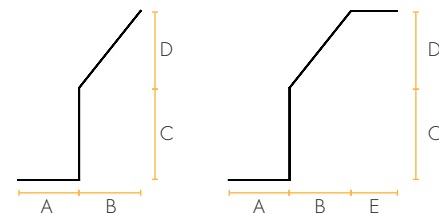
Type L lintel stopens should be applied at each end of the Type C cavitytray. Stopens prevent arrested water from discharging into the cavity. (NHBC 6.1 D6 b). See Type L page entry for details.

Weeps

Caviweeps should be provided to permit arrested water to discharge out of the wall. Two caviweeps minimum per opening is the usual requirement. (NHBC 6.1 D6 b). Caviweeps are located through perp joints. See Caviweep-vent pages for details.

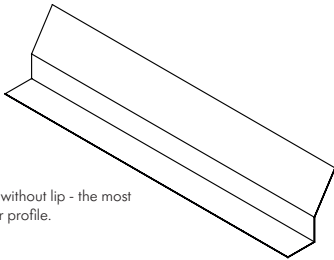
How to Order

Determine appropriate profile and profile dimensions to suit your construction detail. Add 600mm to each opening width (allows 300mm each end) to obtain overall length.

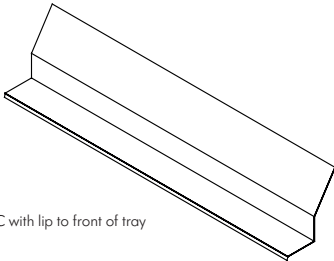


	Dimensions	
	Set Dimensions	Amended Dimensions
A		
B		
C		
D		
E		

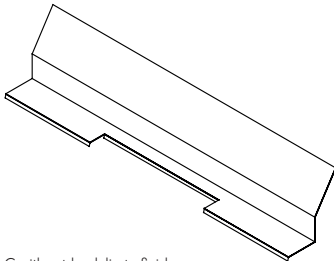
TYPE C (CONTINUED)



Type C without lip - the most popular profile.



Type C with lip to front of tray



Type C with set-back lip to finish along frame head only

NHBC External Masonry Walls 6.1. D6. B that states a tray should provide drip protection to door and window heads. The Type C tray turn-down lip against the frame provides this weathering finish. (in a uniform and consistent manner not possible with soft roll DPC) Cavity tray base extends forward of frame (lip) line – damp arrestment width optimised both sides of opening.



Uniformity and consistency can be difficult to achieve using soft roll DPC but with a preformed Type C Cavity tray the angle and dimensions can be specified and maintained.



Designers' Comments

Self-supporting tray is independent of the inner skin – not affected if courses drift out of level and do not harmonise with each other. Tray extends beyond normal finishing point – providing more shelter and protection of the vertical closing arrangement and guarding against arrested water gravitating around reveal.

Extended ends provide perp joint opportunities to receive stopend.

Bill of Quantity / Specification Wording

F30 - Clause 370 Preformed Cavity Trays

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

Common Opening Cavity trays to be incorporated over all window and door openings in cavity walls. Profile as selected detail, complete with Type L stopends. Build in carefully observing manufacturers' instructions to ensure watertight installation. _____ Metres run or as per masonry openings schedule.



See Type C video showing typical tray for above a horizontal opening