

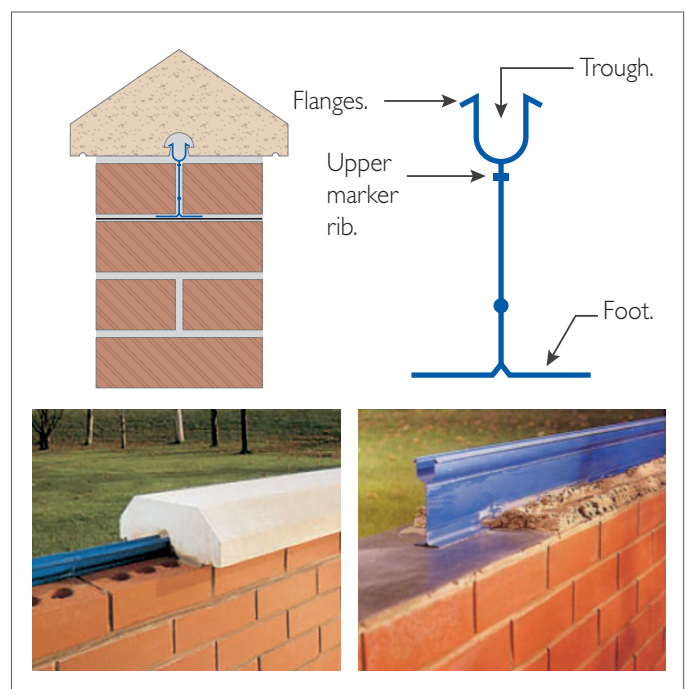
## CAST STONE CAPLOCK COPINGS INSTALLATION GUIDE - FREESTANDING WALL APPLICATIONS

The Caplock system locks together the coping block and top course of 65mm brick or block over a 2 metre length forming a virtually immovable monolithic mass. The advantage is greater security for walls where vandalism may be a problem and consequently reduces lifetime maintenance costs.

A specially designed 2m long PVC-u extrusion is held in place by a course of 65mm brick or stone laid over the 'foot' leaving the trough and flange proud of the wall.

The Caplock coping with the specially designed keyway is pushed down on the extrusion which bends the sides of the trough until the coping is in the correct position. The trough springs back to its original shape and the flanges lock the top course into place.

PVC-u extrusions are generally 2m in length and available in one width, 40mm for solid walls. Cavity walls should be closed with, for example, a Type J DPC support and closer from Cavity Trays.



### Laying Caplock on a 215mm wide wall.

1. At the top of the wall bed the high bond DPC, projecting slightly to prevent moisture passage by capillary action, on a 5mm mortar bed the full width of the wall. Lap and seal DPC in accordance with manufacturers recommendations.
2. Centralise the Caplock extrusion directly onto the DPC allowing 5mm gap between lengths. To assist in centralising lay bricks temporarily at each end.
3. Lay the locking course of bricks or blocks on a further mortar bed placed over the DPC and extrusion foot to make the course up to 10mm mortar joint.
4. Level the course using the upper marker rib of the extrusion as a sight line.

(continued...)

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5. Position the Coping unit onto a full 10mm mortar bed ensuring mortar is also filling the trough. Tap unit down until the trough and flanges engage in the coping unit key-way.
6. Continue laying the units in this manner leaving a nominal 10mm joint to be completed from one of the 3 choices under 'Jointing Cast Stone Caplock'.

### Jointing Cast Stone Caplock

There are 3 options to consider when jointing cast stone Caplock Copings.

All 3 require the inclusion of the DPC bedded on mortar under the caplock foot plus movement joint provision every 3m.

1. Normal mortar joints pointed to the required profile.
2. Mortar joint, recessed from the face by 15mm and sealed with a suitable sealant.
3. Each joint filled with a compressible material and sealed.

### Mortar

Mortar used in boundary walling for clay brickwork is normally specified as a designation (i) or (ii) dependent on the compressive strength of the brick.

Normally the recommendation for cast stone is designation (iii).

However, when mixing masonry materials, and to optimise durability, Forticrete suggest using designation (ii) with cast stone copings as long as movement provision is made every 3m.

Please check mortar specification with other manufacturers if mixing masonry materials.

Designation (i) or M12 equivalent Not recommended with cast stone	Designation (ii) or M6 equivalent Forticrete suggest using this grade of mortar for exposed detailing such as copings to freestanding walls and parapets in conjunction with movement joints every 3 metres.	Designation (iii) or M4 equivalent Recommended with cast stone
1 part Portland Cement or equivalent	1 part Portland Cement or equivalent	1 part Portland Cement or equivalent
¼ part Lime	½ part Lime	1 part Lime
3 parts Sand	4 - 4½ parts Sand	5 - 6 parts Sand

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