

Installation Bulletin

-useful information to help build special details on your Anchor Wall

Building an external 90° corner with Anchor Diamond



Step 1

Building an external 90 degree corner with Anchor Diamond is simple and straightforward.

- Begin by setting out the corner and laying out the base blocks (laying as per the basic installation guidance) and as shown above
- The corner may be formed by splitting a block into two halves or alternatively, pre-split blocks can be supplied direct from the manufacturer.
- The 'corner block' will have a split face which should be exposed on the outside of the corner.
- Take care to align the block carefully to make the corner 90 degrees

Step 2

- The corner unit in the second course should be laid in the opposite orientation to the corner unit below it
- Proceed to lay the next course of blocks, starting from the corner and working outwards
- Because an Anchor wall should, wherever possible stay 'on-bond' (a block rests equally with half its width on each of the two blocks beneath it) you will need to take corrective action.
- The photo above shows the upper right block 'on-bond' whereas the full block nearest the corner is 'off-bond'
- The **first** full block moving away from the corner should be laid as shown above and the **third** full block is then laid 'on-bond'
- Measure the gap between the first and third blocks as shown above

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Step 3

- In the previous photo, the second block was omitted whilst full blocks were laid in positions one and three
- Using the measurement taken previously, trim a block to fit into position two
- By following this procedure, the trimmed block that is placed in position two will usually be approximately two-thirds the width of a full block
- Never use blocks that are less than half width—they will look poor in the finished wall and will not contribute well to the structural stability of the wall

Tip;

Because curved walls can also sometimes run off bond, this same technique of missing a block out, moving on to place another block 'on-bond' and then cutting an infill block to fill the irregular gap is invaluable in long curves too



Step 4

- Having completed the second course of the wall, continue with the same process as the wall is built upwards
- Remember, on each new course, the alignment of the split corner block alternates, as will the position of the make-up block.
- It is a good idea to use a concrete adhesive (don't use mortar) to secure the split corners and the part blocks as their rear lips will usually be damaged during the splitting or may need to be removed for installation

Important Note:

In each of the above photographs, backfill has been omitted to enable the principles to be clearly illustrated . In practice, always backfill each course of your Anchor wall as you lay it, and remember to install drainage at an appropriate elevation.

If your wall is reinforced follow the additional special guidance on the layout of reinforcement in corners and curves

A professional engineer must be consulted for proper design and reinforcement placement. It is the user's responsibility to obtain such design advice. Neither Anchor Wall Systems, Inc., nor its authorised manufacturers assume any responsibility for the design and/or installation of walls.

For additional support during your installation, contact Anchor Wall Systems on
Freephone : 0800 032 4033