

Building A Wall Panel

Basic Steps for Building a Courtyard Wall Panel



Using the AB Courtyard Collection, wall panels can be built on existing patios or pavement, as well as on soil. This How-to sheet will show you how to do both.

INSTALLING ON SOIL

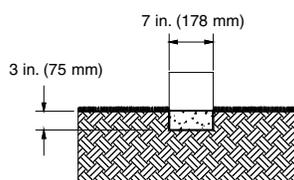
Step 1: Layout

Determine the location of the wall panel and lay the first course of block to determine the shape of the wall and to establish where to dig the trench. AB Dublin, AB York or both blocks together can be used for the base course.



Step 2: Build Foundation*

Mark the location of the wall with a shovel, remove the blocks and dig a level trench 3 in. deep (75 mm) and 7 in. wide (178 mm).



Step 3: Fill

Place 3 in. (75 mm) of base rock in the trench and compact using a hand tamper.



NOTE:

The soil beneath the foundation pad must be a good quality compactable material. If soft soils are encountered, they will need to be removed and replaced with additional base rock. A good foundation will ensure a stable wall for years to come.

Step 4: Level

Level the base trench. We recommend using a 2x4 and a level to ensure the entire trench is level. Make any adjustments as needed by adding or removing the base rock.



Step 5: Build

Install the first two courses of block at the same time, tamping and leveling into place. Place 3-5 blocks in the trench, level, then place 3-5 blocks on the second course. Installing the first two courses at the same time will ensure that the blocks line up properly. The raised rings on the top of the blocks lock the courses together by fitting into the blocks above.



Step 6: Continue Building

Continue stacking courses of blocks in the pattern you have chosen until the desired height is achieved. Offset the block seams on each course of blocks from the course below.



Step 7: Finish

Finish the wall with Wall Caps. On straight sections alternate the direction of the Wall Cap, on curved walls, place the short end of the caps on the inside of the curve. Secure the Wall Caps in place with a bead of masonry adhesive along both sides of the raised rings and along the side of each Wall Cap.

**Taller walls will require some added stability. See How-to sheet #150 for helpful construction techniques.*



AB York
Block



AB Dublin
Block



Wall Cap



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INSTALLING ON EXISTING PATIOS OR PAVEMENT

Step 1: Layout

Determine the location of the wall panel. To ensure that the placement of the wall is straight and in the location desired use a string line if necessary.



Step 2: Build

Install the first two courses of block at the same time. Place 3-5 blocks on the first course, then place 3-5 blocks on the second course. Installing the first two courses at the same time will ensure that the blocks line up properly. The raised rings on the top of the blocks lock the courses together by fitting into the blocks above.



Step 3: Continue Building

Continue stacking courses of blocks in the pattern you have chosen until the desired height is achieved. Offset each course of blocks from the course below.



Step 4: Finish

Finish the wall with Wall Caps. On straight sections alternate the direction of the Wall Cap, on curved walls, place the short end of the caps on the inside of the curve. Use a masonry adhesive to secure each Wall Cap in place with a bead of adhesive along both sides of the raised rings and along the side of each Wall Cap.



Taller walls will require some added stability. Try one of these strengthening techniques:

- *Design with serpentine curves or corners.*
- *Apply masonry adhesive to secure courses together.*
- *Drop metal fence poles through the holes in the blocks, and drive the poles into the ground. See How-to sheet #150.*
- *Interlock wall panels into post/pillar. See How-to sheet #230.*



The information shown here is for use with the Allan Block Courtyard products only.