

DIY EASY LOCK BLOCK



Concrete Pavers • Stone Pavers • Tiles • Garden Walls & Edging
Retaining Walls • Concrete Sleepers • Concrete Blocks • Wall Cladding

STEP BY STEP

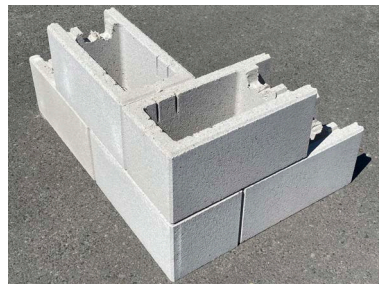
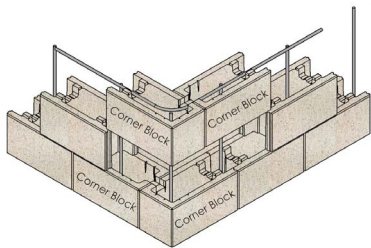


STEP 1: Planning & Foundation

For retaining walls up to 1500mm high DIY Easy Lock Grey or Coloured Wall blocks

should be laid on a concrete foundation or footing, utilizing reinforcing bars, core filled with concrete or no fines concrete and installed as per manufacturers engineering designs. These retaining walls are to be backfilled behind the wall with no-fines concrete.

Alternatively low non-load bearing landscape walls under 600mm in height can be installed on a compacted roadway base footing. This base is of varying depths between 75 mm and up to 150 mm deep, dependent upon the soil type.



STEP 2: Where to Start - Corners

Each DIY Easy Lock Block locks into either end with patented connecting lugs. Start laying blocks from a corner or the end of a wall. To build a corner, lay two DIY Easy Lock corner blocks per course, one in each direction then alternate for the courses above.



TIP: Always consider access & which side of a wall you are laying from, place the DIY Easy Lock Blocks as close as possible to the laying zone.

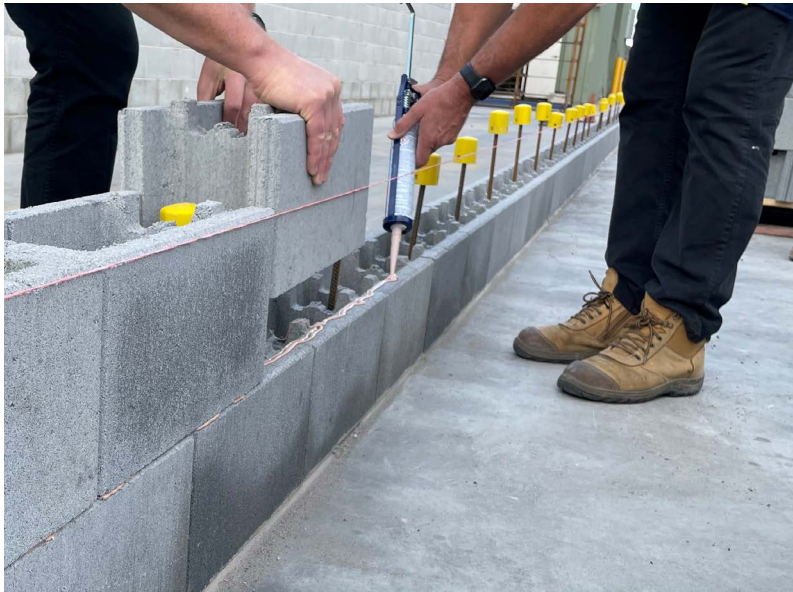


STEP 3: Laying 1st Course on Mortar

For walls above 600 mm in height the first course of DIY Easy Lock Blocks should be laid to a stringline on a 10mm thick mortar bed (6 parts sand 1 part cement) on to your concrete footing or foundation.

For walls below 600 mm in height you can lay the first course on to the compacted roadway base. NO mortar required. Use a stringline to keep your wall straight.

TIP: The first course of blocks is laid perfectly level along the wall as well as level side to side. Subsequent courses will follow so remember start level and finish level. Use a stringline to lay to.



STEP 4: Laying the DIY Easy Lock Blocks

Spread a thin layer of construction adhesive on the blocks below with a caulking gun, then simply place the DIY Easy Lock Blocks along the wall, allowing them to self-locate by locking into the next block. Start each course from any corners.

TIP: Be aware which courses require vertical and horizontal reinforcement bars, mark the vertical starter bars with spray paint at the base of the wall to identify the location.



STEP 5: Levelling DIY Easy Lock Blocks

Check for level vertically, starting on corners & the end of any wall prior to setting up the stringline. Additionally, every 2nd course (400mm high) check the blocks are level horizontally at 90 degrees to the front edge, use 5mm tile wedges where required to level. These can be removed once core filling of the blocks is complete.

TIP: With both ends of any wall levelled up, lay a row to a stringline and use a long straight edge for final straightening.



STEP 6: Placing Steel Reinforcement

For walls over 600 mm in height the DIY Easy Lock Blocks have allowances in their design for the easy placement of steel reinforcing bars, placed per engineering requirements. Place horizontal bars within the locators in the DIY Easy Lock Blocks. Vertical bars are dropped in from the top of the wall once the final course has been laid, overlapping 400mm with the starter bar at the base.

TIP: Knock out a 30mm x 30mm section of corner blocks with a hammer for steel reinforcing to be placed within.

STEP BY STEP



STEP 7: Installing Fence Posts / Ballustrades in The DIY Easy Lock Blocks

DIY Easy Lock Blocks are suitable for 125mm x 60mm C section fence posts, colorbond fence panelling posts & balustrade posts to be concreted within them. There is a designated groove within the blocks to hold fence posts in place. Minimum depth required is 600mm.

TIP: Posts will easily locate within the DIY wall blocks at 2400mm spacings +/- 200mm multiples.



STEP 8: Core filling

Walls over 600mm high require concrete core filling. Maximum height for each pour is 1800mm or 9 courses. Brace any unsupported block wall sections, particularly ends to prevent movement and blowouts during the core fill and curing stages.

TIP: Wet down the inside of the blocks with water prior to filling for easy flow of the concrete, fill up the blocks to the top.



Capping Units

The requirement for capping is optional dependent on any finish being applied to the wall. If the wall is rendered, not visible or clad with stone etc, no capping is required. If the wall requires a capping unit, APC has various options that can be adhesively fixed to the top of the wall with a construction adhesive.

Tools Required

Stringline, level, caulk gun, budget priced construction adhesive, hammer, rubber mallet, 5mm tile wedge and hand brush.