



**Building
Products**

Retaining Wall Products



BCP Building Products Locations

Bathurst
18 Kirkcaldy St
Phone 02 6331 2777

Dubbo
58 Bourke St
Phone 02 6882 1555

Wagga Wagga
29 Pearson St
Phone 02 6925 5133

Garden Lockstone

The Garden Lockstone retaining wall system is for general purpose applications up to 1.5m high. The advantage of Garden Lockstone is no mortar is required and can be used in straight or curved wall designs.

Check your local council for construction of retaining wall requirements. They may require engineering details.



Laying Instructions

Construction is dependent on footing type and wall height. (Please refer to engineer's drawing). Walls above 1 metre require a concrete footing and should be constructed entirely of solid blocks.

METHOD 1:

Sand Footing

Recommend Solid blocks be used on the first course, hollow blocks for remaining courses and capping course on top.

METHOD 2:

Concrete Footing

Recommend Solid blocks be used on all courses and capping course on top.

Choose your footing type then calculate the number of solids, hollows and capping blocks required. End Blocks (straight sides) are used at the end of the wall where exposed or at right angle corners. Remember the first course is half buried below the ground.

Example:

A wall 15.6m in length and 910mm high

15.6 divided by 0.39 = 40

910 divided by 130mm = 7 courses plus cap

The number of blocks required is 280

Dimensions Standard Block (L) 390mm, (H) 130mm, (D) 230mm Coverage 19.72 blocks per square metre	Capping Bull Nose (L) 390mm, (H) 65mm, (D) 230mm Split Face (L) 400mm, (H) 65mm, (D) 240mm Smooth Face (L) 390mm, (H) 40mm, (D) 190mm
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COLOUR – PLEASE SEE COLOUR CHART ON BACK PAGE
Charcoal | Cream | Limestone | Macquarie | Earth Apricot | Evans

Clipstone

Clipstone retaining wall is an interlocking system for general purpose applications up to 960mm in height. The advantage of Clipstone is no mortar is required and is ideal for straight wall designs.

Check your local council for construction of retaining wall requirements. They may require engineering details.



Laying Instructions

Construction is dependent on footing type and wall height (Please refer to engineer's drawing)

We recommend using a capping block to complete your project. Capping blocks are available in Bullnose, Split Face, Rockface and Smooth finishes.

Example:

A wall 19.5m in length and 640mm high.

$19.5 \text{ divided by } 0.39 = 50$

$640\text{mm divided by } 160\text{mm} = 4 \text{ courses plus a cap.}$

The number of blocks required are 200 blocks and 50 caps

Dimensions	Capping
Standard Block (L) 390mm, (H) 160mm, (D) 190mm	Bull Nose (L) 390mm, (H) 65mm, (D) 230mm
Corner Block (L) 390mm, (H) 160mm, (D) 190mm	Split Face (L) 400mm, (H) 65mm, (D) 240mm
Coverage 16.2 blocks per square metre	Smooth Face (L) 390mm, (H) 40mm, (D) 190mm

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Panorama

Introducing BCP's Panorama Retaining Wall Block: The Innovative Double-Sided Dry Stack Retaining Wall System
BCP's Panorama Block is a one-of-a-kind retaining wall system that features a double-sided design. One side of the wall displays a split face while the other is smooth, allowing for a personalized touch. The product includes corner quoining and the option of random smooth blocks in a split face surface, providing a range of design finishes. The Panorama also comes with a bullnose and split face capping option, adding to its versatility. Thanks to the engineer-designed, self-locking lugs and corner blocks, construction is effortless, resulting in a stable, professional-looking wall.



- Vertical dry stack – no step back
- Double faced – split face one side, smooth face on opposing side of block
- Wall height engineered to 1200mm core filled on concrete footing
- Wall height engineered to 800mm with zero core fill, compacted and stabilised based only
- Versatility in construction as block can be laid with locking lugs up or down, top course must be inverted to allow flat surface to affix bull nose capping.
- Universal corner block with 1 x split end and side, 1 x smooth end and side per block.

Example

A wall 20m in length and 600mm high.

20 divided by 0.4 = 50

600mm divided by 200mm = 3 courses plus a cap.

The number of blocks required are 150 blocks and

50 caps

Panorama		
Dimensions		Capping
Standard Block	(L) 400mm, (H) 200mm, (D) 230mm	Bull Nose (L) 390mm, (H) 65mm, (D) 230mm
Corner Block	(L) 400mm, (H) 200mm, (D) 200mm	Split Face (L) 400mm, (H) 65mm, (D) 240mm
Coverage	12.5 blocks per square metre	

COLOUR - PLEASE SEE COLOUR CHART ON BACK PAGE

Panorama: Charcoal | Cream | Limestone

Retaining Wall Instructions

Important Information For All Retaining Wall Construction

It is recommended site suitability be checked by a qualified engineer.

The product design assumes no ground water to be present. For site conditions where ground water exists it is recommended the engagement of an engineer and/or use of suitable moisture control barriers and/or sealers.

- Set out and mark wall position
- Dig footing trench 350-400mm wide x 140-160mm deep
- Make sure trench is level. For sloping sites trenching might require stepping. (Stepping is required at 390mm spacing and up or down 130mm increments to avoid cutting blocks)

IMPORTANT: Make sure the first course is level to ensure remaining blocks position together correctly. Use string line along back of blocks to ensure alignment.

Concrete Footing

- Pour concrete approx. 75mm deep and level off
- While concrete is wet lay the first course of blocks with retaining lug down into the concrete
 - Level each block (side to side from back to front)

Sand Footing

- Clean out loose dirt then compact. Fill trench with course layer of sand material 80-100mm deep and level.
- Place first layer of blocks into sand, lug side down and bed down using a rubber mallet.

- Position agricultural drain behind first course being sure there is sufficient fall allowing water to flow from one end to the other
- Cover drain with gravel or free draining sand to top of first course to width of 200-300mm (see engineer's drawing)
- Sweep off loose dirt from the top of first course

You are now ready to lay the next course

- Place lug of second course behind the first course. To obtain the bond pattern; ensure you position the vertical joint of the first course centred on second course block. If wall is vertical at the ends use a solid end block. Cut a solid end block into half for use every second course.
- After the second course is laid, shovel gravel or free draining sand behind wall and compact.
- Repeat these steps until you are ready to lay the capping blocks. Glue capping block down to final course with a construction adhesive.

Note: When building curves remove extreme of locking lug wing with a hammer. Use protective eye wear.

Colours



Made to order.



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Please Note: Colours may vary between batches.

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