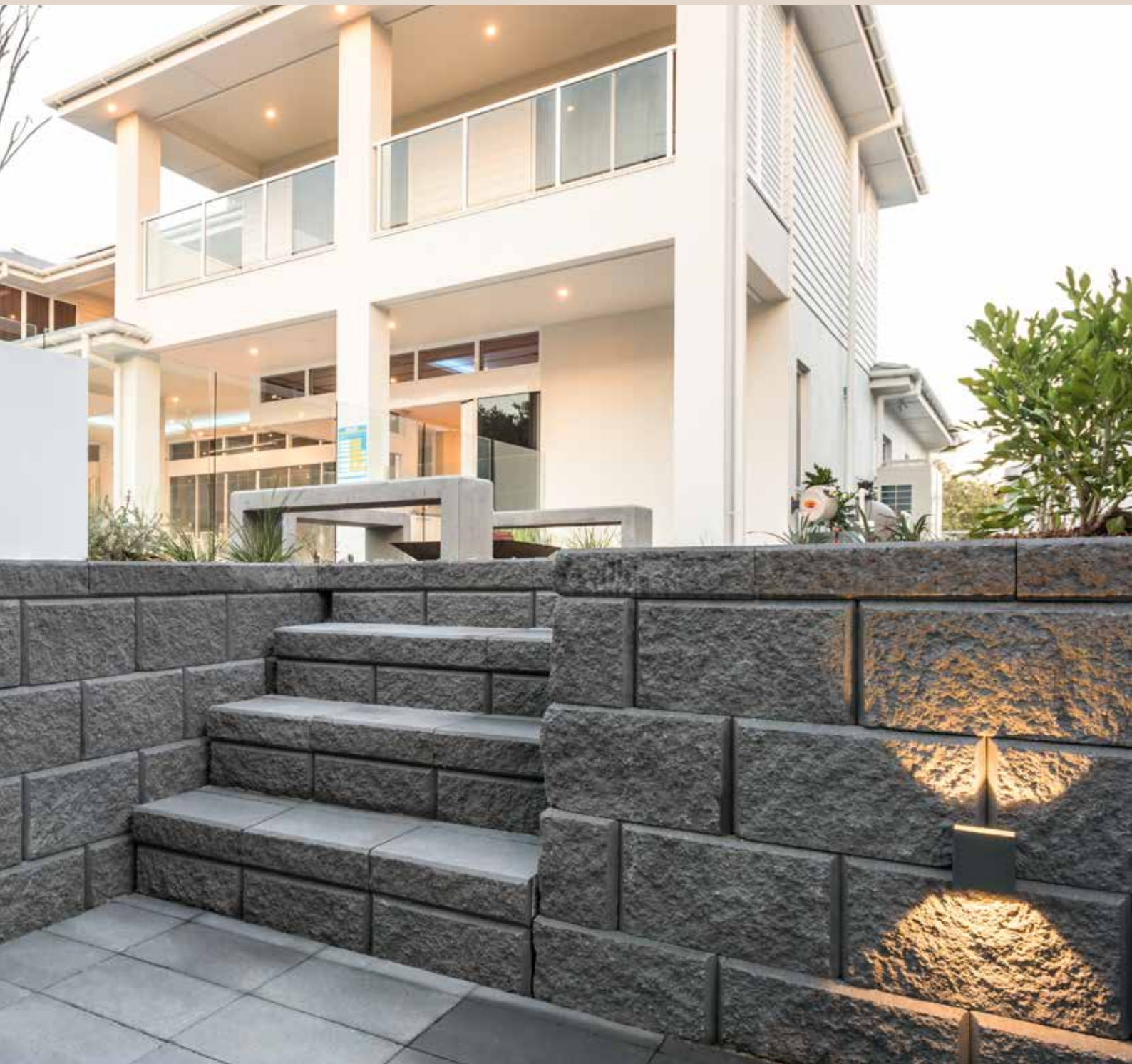


# Retaining Walls

North Queensland



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## Style and function

–  
When it comes to inspiration, we start by simply looking at nature.

From appearance and texture, to colour and form, our landscaping collection carefully balances each element to ensure flexibility to just about any design.

Coupled with our thorough testing and technical innovation, you're guaranteed long-lasting durability for decades to come.

A BRAND OF

**BRICKWORKS**



## Designed to last

Not all landscaping products are the same. Our masonry range is designed to stand the test of time. Easy to install. Simple to care for.

1.

### **Affordable**

For a premium product, our concrete masonry range offers an affordable option.

2.

### **Low maintenance**

Minimal maintenance, maximum impact. You're guaranteed a long-lasting, tough, and easy to care for retaining wall solution.

3.

### **All-weather resistant**

Heavy storms. Blistering heat. Sub-zero frosts. Our products are designed to hold up to anything our weather systems are capable of throwing at it.

4.

### **Fire resistant**

All of our products are non-combustible and highly fire resistant – making them ideal for bushfire prone areas.

5.

### **Termite resistant**

With no organic wood materials present in our concrete formulations, our masonry range is naturally termite resistant.

6.

### **Simple installation**

Easy to install and structurally robust – our products are perfect for 'do it yourself' installations.

7.

### **Environmentally aware**

We've designed our production processes to minimise effects on the environment ensuring they do not deplete precious natural resources.


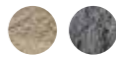


















8.

### **Impact resistance**

Our range is renowned for its toughness and hard-wearing properties, and can handle impacts from many external forces.

# Selecting the right product for you

Understanding which retaining wall products are best for your project can be challenging. To assist you we have compiled an overview of the key attributes for each range below.

	Range	Max Wall Height	Applications	Best Suited to	Wall Systems	Finish	Components	Colours
	Keystone	800mm (15m with engineering)	<ul style="list-style-type: none"> <li>• Straight or Curved Walls</li> <li>• Steps</li> <li>• 90 Degree Corners</li> </ul>	Civil Applications	<ul style="list-style-type: none"> <li>• Gravity Walls</li> <li>• No Fines Concrete</li> <li>• Geogrid Reinforced</li> </ul>	Near Vertical	<ul style="list-style-type: none"> <li>• Wall Blocks</li> <li>• Corner Unit</li> <li>• Capping Units</li> </ul>	
	Explorer	3m with engineering	<ul style="list-style-type: none"> <li>• Straight or Curved Walls</li> <li>• Steps</li> <li>• 90 Degree Corners</li> </ul>	DIY or Civil Applications	<ul style="list-style-type: none"> <li>• Cantilevered Walls</li> </ul>	Vertical	<ul style="list-style-type: none"> <li>• Sleepers</li> <li>• Posts</li> <li>• Fence Brackets</li> </ul>	
	Heron	800mm (3m with engineering)	<ul style="list-style-type: none"> <li>• Straight or Curved Walls</li> <li>• Steps</li> <li>• 90 Degree Corners</li> </ul>	DIY or Civil Applications	<ul style="list-style-type: none"> <li>• Gravity Walls</li> <li>• No Fines Concrete</li> <li>• Geogrid Reinforced</li> </ul>	Near Vertical	<ul style="list-style-type: none"> <li>• Wall Block</li> <li>• Corner Unit</li> <li>• Capping Unit</li> </ul>	
	Hayman	800mm (3m with engineering)	<ul style="list-style-type: none"> <li>• Straight or Curved Walls</li> <li>• Steps</li> <li>• 90 Degree Corners</li> </ul>	DIY or Civil Applications	<ul style="list-style-type: none"> <li>• Gravity Walls</li> <li>• No Fines Concrete</li> <li>• Geogrid Reinforced</li> </ul>	Near Vertical	<ul style="list-style-type: none"> <li>• Wall Block</li> <li>• Corner Unit</li> <li>• Capping Unit</li> </ul>	
	Moreton	800mm	<ul style="list-style-type: none"> <li>• Straight or Curved Walls</li> <li>• Steps</li> </ul>	DIY Applications	<ul style="list-style-type: none"> <li>• Gravity Walls</li> </ul>	Set Back	<ul style="list-style-type: none"> <li>• Wall Block</li> <li>• Capping Unit</li> </ul>	
	Whitsunday	800mm (1.2m with engineering)	<ul style="list-style-type: none"> <li>• Straight or Curved Walls</li> <li>• Steps</li> <li>• 90 Degree Corners</li> </ul>	DIY Applications	<ul style="list-style-type: none"> <li>• Gravity Walls</li> </ul>	60mm set back	<ul style="list-style-type: none"> <li>• Wall Block</li> </ul>	
	Country Manor	800mm	<ul style="list-style-type: none"> <li>• Straight or Curved Walls</li> <li>• Steps</li> </ul>	DIY Applications	<ul style="list-style-type: none"> <li>• Gravity Walls</li> </ul>	Near Vertical	<ul style="list-style-type: none"> <li>• Wall Block</li> </ul>	
	Daintree	800mm	<ul style="list-style-type: none"> <li>• Straight or Curved Walls</li> <li>• Steps</li> </ul>	DIY Applications	<ul style="list-style-type: none"> <li>• Gravity Walls</li> </ul>	30mm set back	<ul style="list-style-type: none"> <li>• Wall Block</li> </ul>	
	Daydream	600mm	<ul style="list-style-type: none"> <li>• Straight or Curved Walls</li> <li>• Steps</li> <li>• 90 Degree Corners</li> </ul>	DIY Applications	<ul style="list-style-type: none"> <li>• Gravity Walls</li> </ul>	30mm set back	<ul style="list-style-type: none"> <li>• Wall Block</li> </ul>	
	Fitzroy	800mm	<ul style="list-style-type: none"> <li>• Straight or Curved Walls</li> <li>• Steps</li> <li>• 90 Degree Corners</li> </ul>	DIY Applications	<ul style="list-style-type: none"> <li>• Gravity Walls</li> </ul>	40mm set back	<ul style="list-style-type: none"> <li>• Wall Block</li> </ul>	



## Retaining Wall Blocks

–

- Daintree
- Daydream
- Fitzroy
- Moreton
- Whitsunday
- Heron
- Hayman
- Country Manor
- Keystone

1

## Daintree

The simplistic design of this unit is intended to offer flexibility in application, from long winding garden edges, to corners with sharp curves.

**Applications** Straight Walls | Curved Walls | Corners | Steps

**Max Height** 800mm

### Colours



Limestone



Beachwood



Caramel



Sandstone



Sunset



Mocha



Dusk



Charcoal

### Types



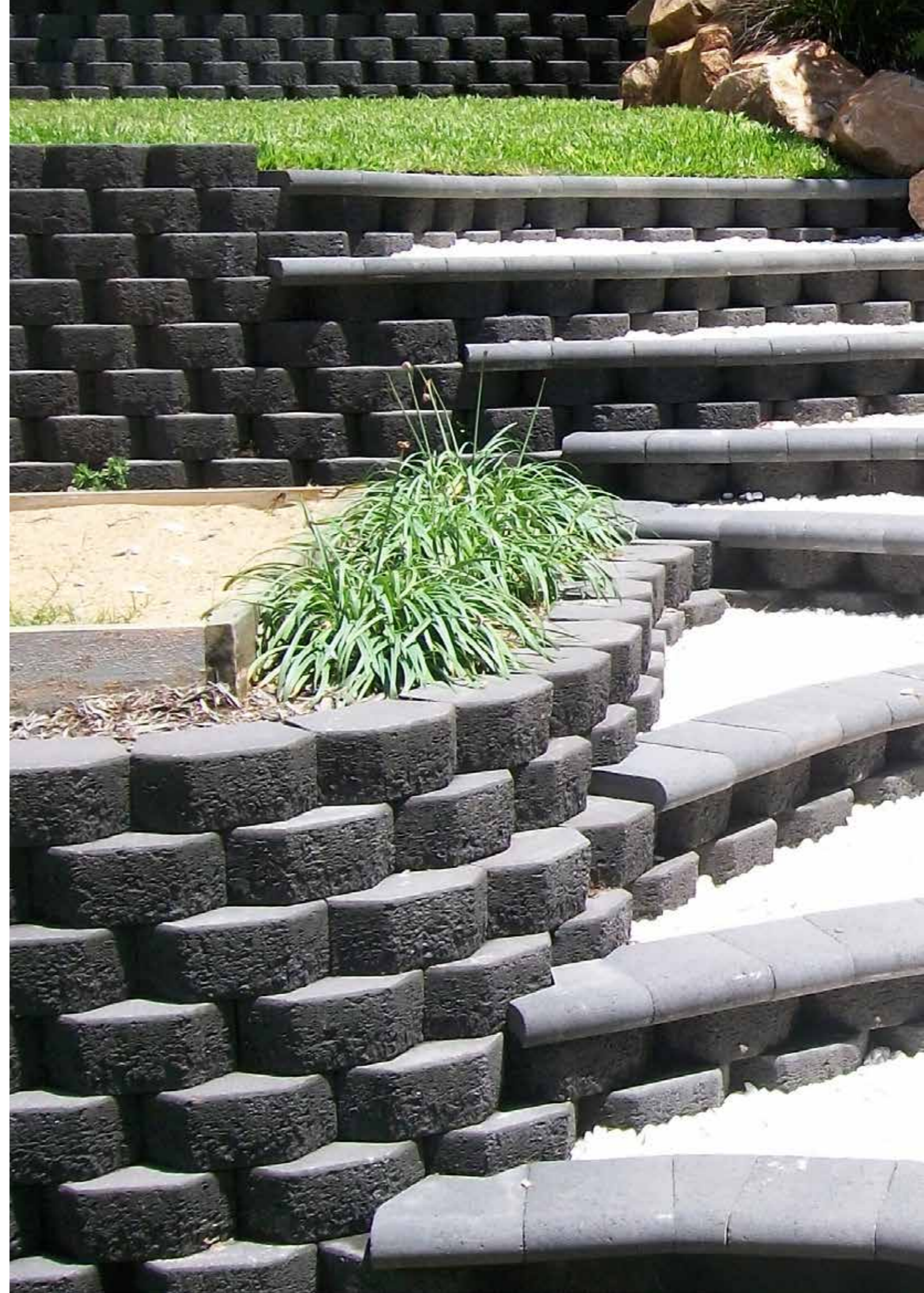
Angled Unit

Size: 295L x 203W x 125H mm

Weight (each): 13kg

Face Area: 27.1 units per m<sup>2</sup>

Product - Daintree | Charcoal



## Daydream

This diamond shaped retaining wall block features a set back as each layer of blocks is installed.

The split face finish and neutral colour palette is designed to suit complement a range of colour schemes.

---

**Applications** Straight Walls | Curved Walls | Corners | Steps

---

**Max Height** 600mm

---

### Colours



Limestone



Charcoal



Sandstone

### Types



#### Standard Unit

---

Size: 295L x 203W x 130H mm

---

Weight (each): 12.19kg

---

Face Area: 25 units per m<sup>2</sup>

---



## Fitzroy

Featuring a rustic textured finish and a subtle chamfer at the side of each block, the Fitzroy range can be used for straight or curved retaining walls.

---

**Applications** Straight Walls | Curved Walls | Corners | Steps

---

**Max Height** 800mm

---

### Colours



Limestone



Charcoal



Sandstone

### Types



### Standard Unit

---

Size: 375L x 210W x 180H mm

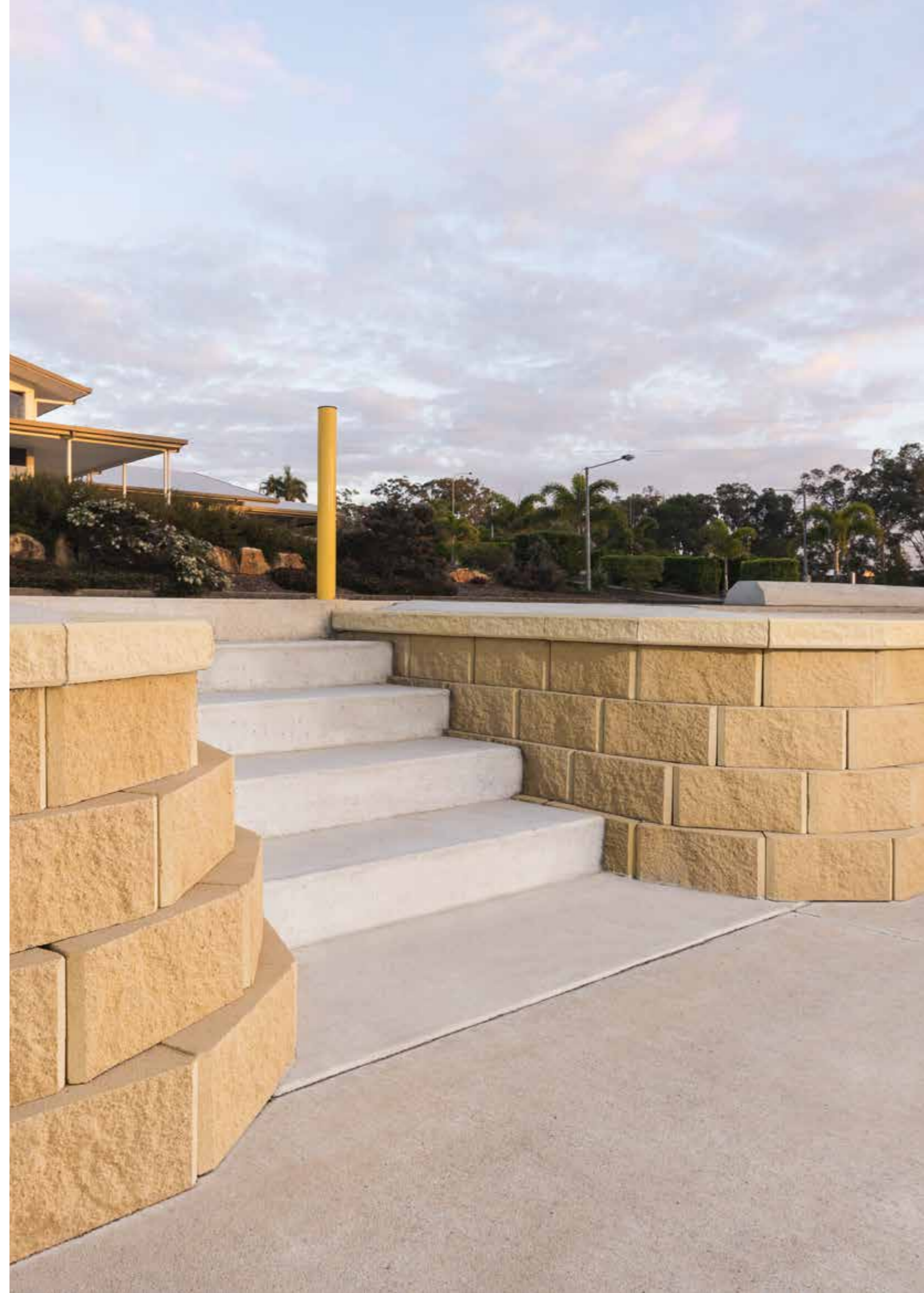
---

Weight (each): 19.23kg

---

Face Area: 14 units per m<sup>2</sup>

---



Product - Fitzroy | Beach



## Moreton

Earthy colours, a split face finish, and the diamond shape of each block ensures Moreton retaining walls will complement any landscape with a unique and timeless appeal.

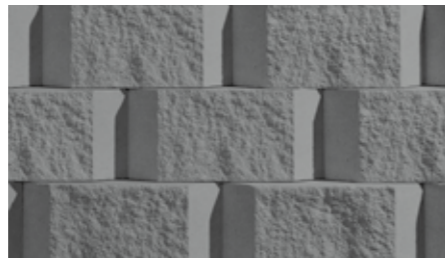
**Applications** Straight Walls | Curved Walls | Steps

**Max Height** 800mm

### Colours



Limestone



Charcoal



Sandstone



Dusk



Sydney Blend\*\*

### Types



Standard Unit

Size: 390L x 200W x 200H mm

Weight (each): 18.5kg

Face Area: 13 units per m<sup>2</sup>



Capping Block

Size: 390L x 200W x 200H mm

Weight (each): 22kg

Blocks Per Lineal Metre: 2.56



Product - Moreton | Sydney Blend

## Whitsunday

Whitsunday retaining wall blocks offer a split face finish with options to suit contemporary colour schemes. Their simple design, mortarless interlock, and manageable weight means you can lay them yourself and enjoy a retaining wall which is virtually maintenance free.

---

**Applications**     Straight Walls | Curved Walls | Corners | Steps

---

**Max Height**     1200m\*

---

### Colours



Limestone



Charcoal



Sandstone

### Types



#### Standard Unit

---

Size: 390L x 300W x 155H mm

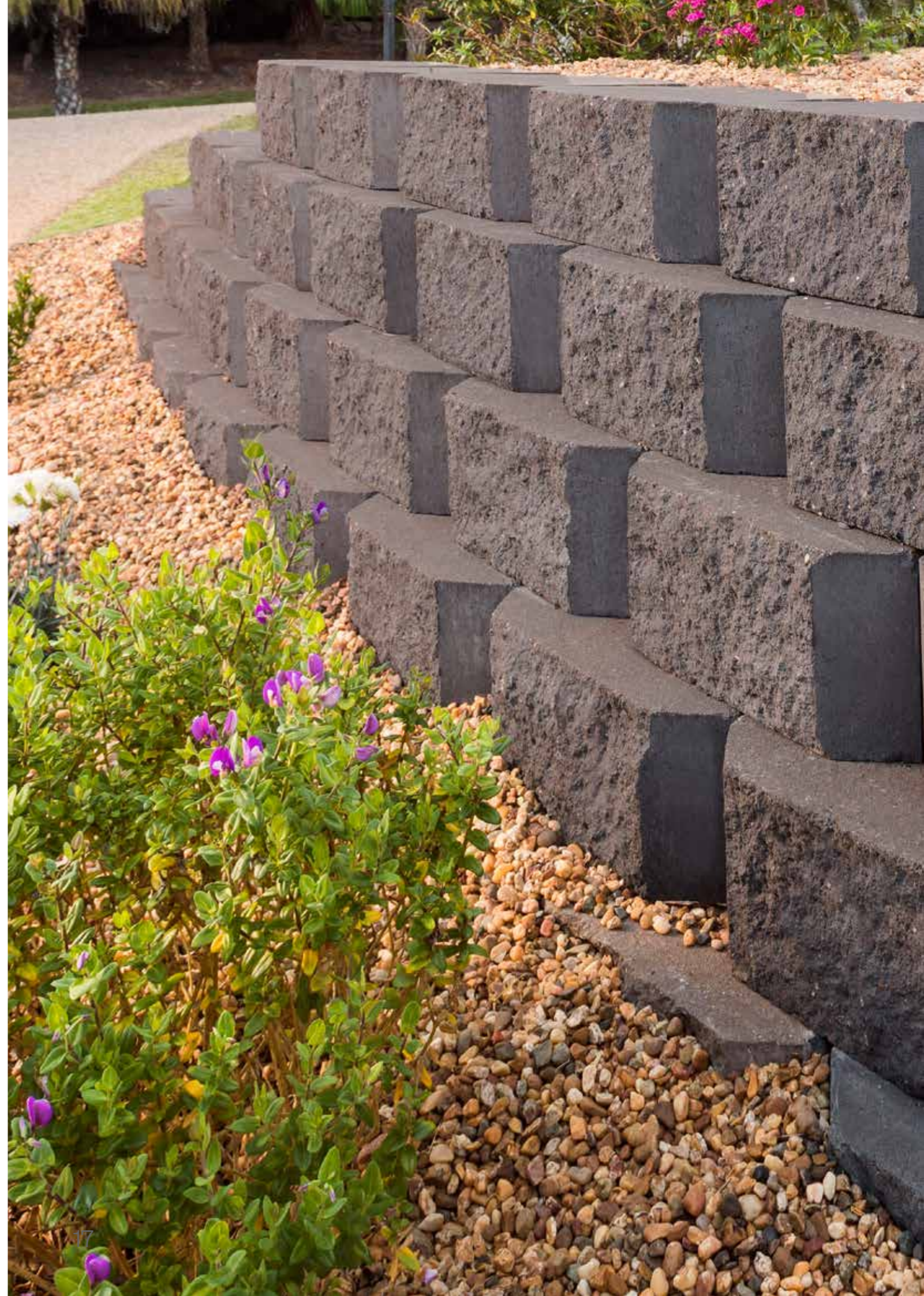
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Weight (each): 29kg

---

Face Area: 16.6 units per m<sup>2</sup>

---



Product - Whitsunday | Charcoal

# Heron

Heron retaining wall blocks have a colour and finish for all landscaping projects. Perfect for the 'do it yourself' weekend warrior, Heron blocks require no mortar and are virtually maintenance free.

<b>Applications</b>	Straight Walls   Curved Walls   Corners   Steps
<b>Max Height</b>	800mm* (3m when engineered)
<b>Minimum Radius</b>	Approx 1,200mm

## Colours



Limestone



Charcoal



Beachwood



Dusk



Brisbane Blend\*\*



Sydney Blend\*\*

## Types



Standard Unit

Size: 390L x 245W x 198H mm

Weight (each): 24kg

Face Area: 13 units per m<sup>2</sup>



Corner Block

Size: 160L x 360W x 198H mm

Weight (each): 20kg

Available in right and left (right shown)



Full Capping Unit<sup>^</sup>

Size: 390L x 245W x 90H mm

Weight (each): 16.6kg

Units per lineal metre: 2.56



Half Capping Unit<sup>^</sup>

Size: 190L x 245W x 90H mm

Weight (each): 9kg

Units per lineal metre: 5.13

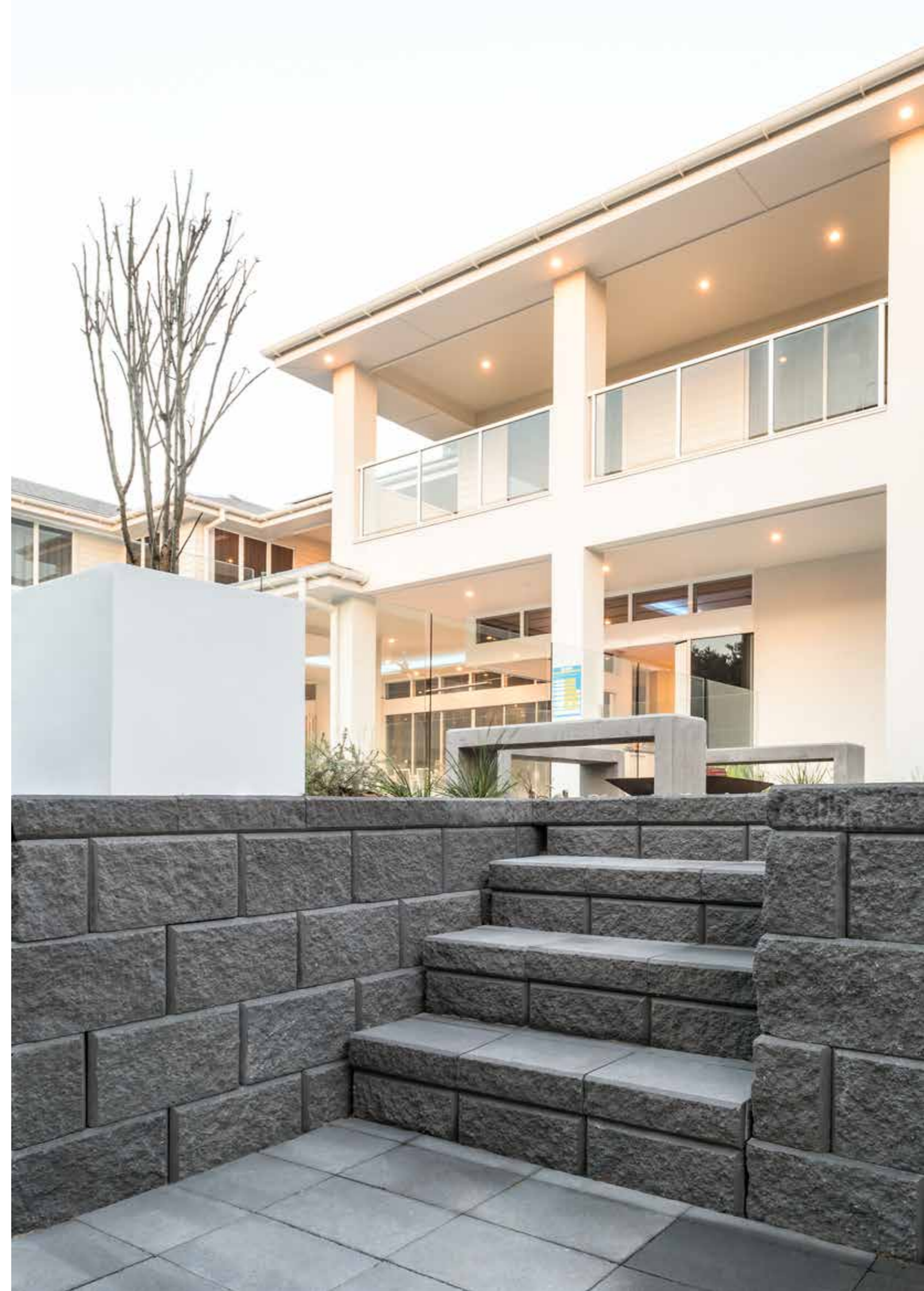
\*Please refer to Technical Manual

\*\* These items are not held in stock.

<sup>^</sup> Full Capping Unit is only available in Charcoal, Limestone, Brisbane Blend and Sydney Blend colours.

<sup>^</sup> Half Capping Unit is only available in Beachwood, Dusk and Charcoal colours.

Product - Heron | Charcoal



## Hayman

Hayman retaining wall blocks offer a sleek, modern smooth finish in two neutral colours.

Their simple design, mortarless interlock, and manageable weight means you can lay them yourself and enjoy a retaining wall which is virtually maintenance free.

---

**Applications** Straight Walls | Curved Walls | Corners | Steps

---

**Max Height** 800mm\* (3m when engineered)

---

### Colours



Limestone



Charcoal

### Types



Standard Unit

Size: 390L x 245W x 198H mm

Weight (each): 24kg

Face Area: 13 units per m<sup>2</sup>



Universal Corner

Size: 160L x 360W x 198H mm

Weight (each): 17.2kg



Capping Unit

Size: 390L x 245W x 90H mm

Weight (each): 16kg

Blocks Per Lineal Meter: 2.56



## Country Manor

Country Manor combines the old world charm of a hand-laid stone wall with unsurpassed design versatility.

**Applications** Straight Walls | Curved Walls | Corners | Steps

**Max Height** 800mm\*

\*When using front pin holes to secure units and there are no surcharge loads behind the wall. Please check with your local council in regards to engineering requirements.

### Colours



Caramel



Oyster



Ironstone



Charcoal

### Types



Large Unit

Size: 406/305L x 254W x 152H mm

Weight (each): 29kg



Medium Unit

Size: 305/254L x 254W x 152H mm

Weight (each): 23kg



Small Unit

Size: 152/101L x 254W x 152H mm

Weight (each): 20kg



Capping Unit

Size: 305/254L x 254W x 76H mm

Weight (each): 14kg



Limestone

## Keystone

The Keystone retaining wall system is robust, strong, and available in standard and flushface finishes. This product is ideal for both straight and curved walls and features a patented interlocking pin connecting system that is best suited to engineered walls up to 15m in height.

**Applications** Straight Walls | Curved Walls | Corners | Steps

**Max Height** 800mm\* (15m when engineered)

\*When using front pin holes to secure units and there are no surcharge loads behind the wall. Please check with your local council in regards to engineering requirements.

### Colours



Dune



Charcoal

### Types



Standard Unit

Size: 455L x 315W x 200H mm

Weight (each): 38kg

Face Area: 11 units per m<sup>2</sup>



Flushface Unit

Size: 455L x 315W x 200H mm

Weight (each): 41kg

Face Area: 11 units per m<sup>2</sup>



Flushface Unit

Size: 455L x 310W x 100H mm

Weight (each): 20kg

Units per lineal metre: 2.62



Flushface Straight Side Cap

Size: 455L x 310W x 100H mm

Weight (each): 20kg

Units per lineal metre: 2.2

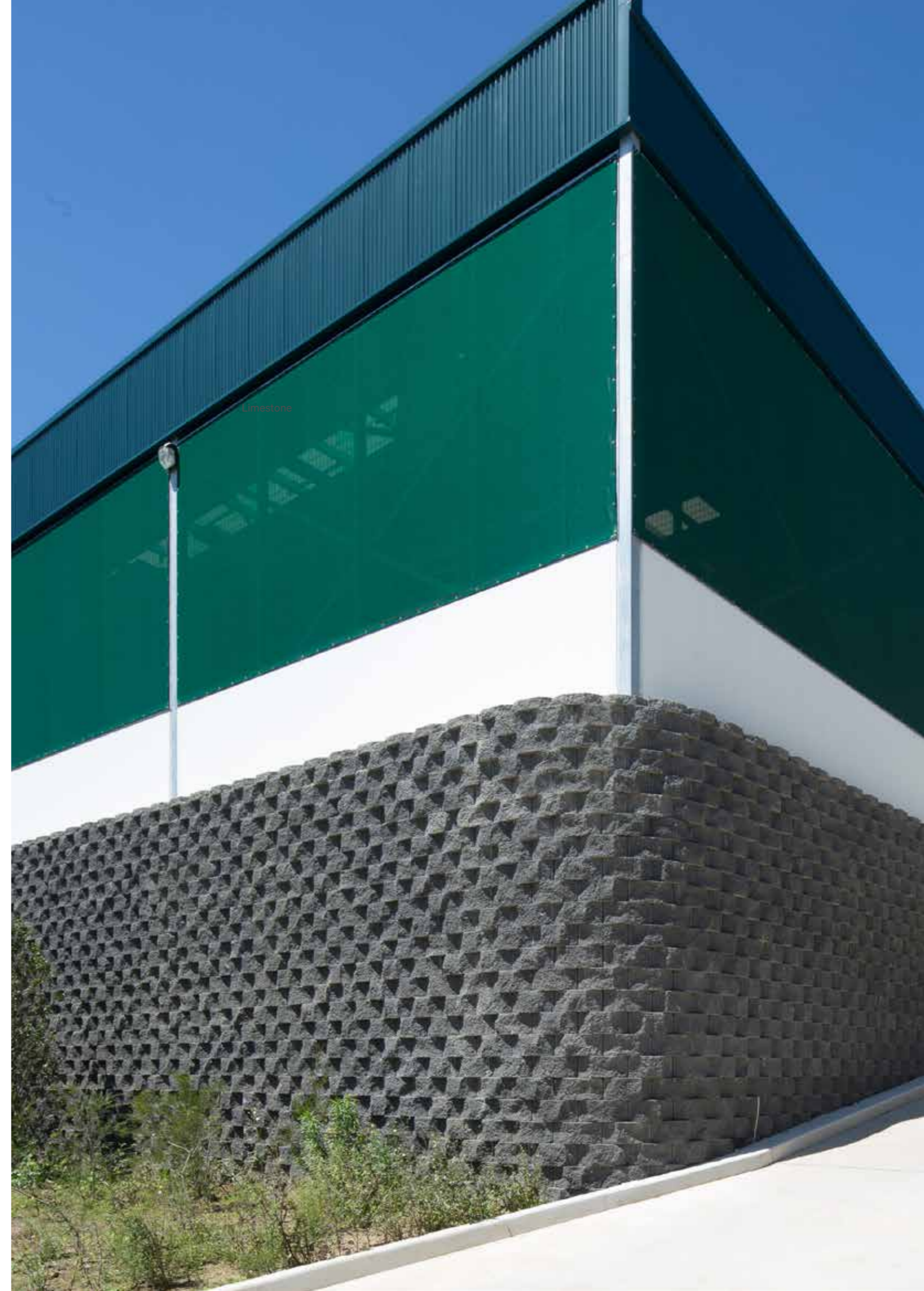


Corner Unit 90°\*

Size: 428L x 210W x 200H mm

Weight (each): 29kg

Product – Keystone | Charcoal



## Concrete Sleeper Retaining Walls & Accessories

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– Explorer

27

# 2

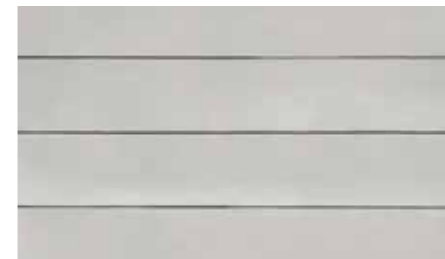


## Explorer Concrete Sleeper Retaining Walls

Both subtle and sleek, Explorer was crafted to blend in to any project whether it be commercial or residential.

<b>Applications</b>	Straight Walls   Corners
<b>Max Height</b>	800mm (3m when engineered)

### Colours



Grey | Smooth



Charcoal | Smooth



Natural | Sandstone



Graphite | Sandstone



Ironbark | Timberlook



Gumtree | Timberlook



Charcoal | Slate



## Explorer Concrete Sleeper Sizes

Each of our sleeper finishes is available in a range of sizes to suit your project and design. Please see the sizes available for each finish below.

### Sizes



Explorer 200 | 1200L\*

Size: 1200L x 75W x 200H mm



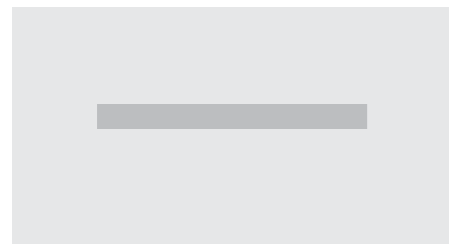
Explorer 200 | 1530L\*

Size: 1530L x 75W x 200H mm



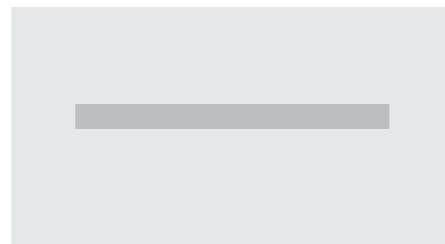
Explorer 200 | 1580L\*\*

Size: 1580L x 75W x 200H mm



Explorer 200 | 2000L^

Size: 2000L x 75W x 200H mm



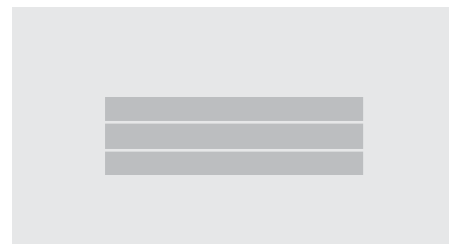
Explorer 200 | 2400L\*\*\*

Size: 2400L x 75W x 200H mm



Explorer 400\*

Size: 2000L x 75W x 400H mm



Explorer 600\*

Size: 2000L x 75W x 600H mm



Explorer 1000\*

Size: 2000L x 75W x 1000H mm

^ Available in all finishes  
 \* These types are only available in smooth finish  
 \*\* Available in all finishes except smooth  
 \*\*\* Available in all finishes except slate

## Explorer Post & Bracket Range

We offer an extensive range of galvanised posts and fence brackets which are designed to complement our concrete sleeper collection.

### Post Types



Joiner

Size: please see sizes in the tables below



Joiner with Deformed Bar

Size: please see sizes in the tables below



Ender

Size: please see sizes in the tables below

Post Type	Wall Height	Post Height	Post Type	Wall Height	Post Height
100UC Joiner with deformed bar	0.4m	1.15m	100UC Joiner Full Length	0.4m	0.8m
	0.6m	1.15m		0.6m	1.2m
	0.8m	1.55m		0.8m	1.6m
	1.0m	1.95m		1.0m	2.0m
	1.2m	2.35m		1.2m	2.4m
	1.4m	2.75m		1.4m	2.8m
	1.6m	3.15m		1.6m	3.0m
	1.8m	3.55m		1.8m	3.4m
150UC Joiner with deformed bar	2.0m	3.95m	150UC Joiner	2.0m	3.6m
	2.0m	3.95m		1.6m	3.0m
	2.2m	4.35m		2.0m	3.6m
	2.4m	4.75m		2.2m	4.0m
100PFC Ender	2.6m	5.15m		2.4m	4.4m
	3.0m	5.95m		2.6m	4.8m
	0.4m	0.8m			
	0.6m	1.2m			
	0.8m	1.6m			
150PFC Ender	1.0m	2.0m			
	1.2m	2.4m			
	1.4m	2.8m			
	1.6m	3.0m			
	2.0m	4.0m			



Straight Fence Brackets



Offset Fence Brackets

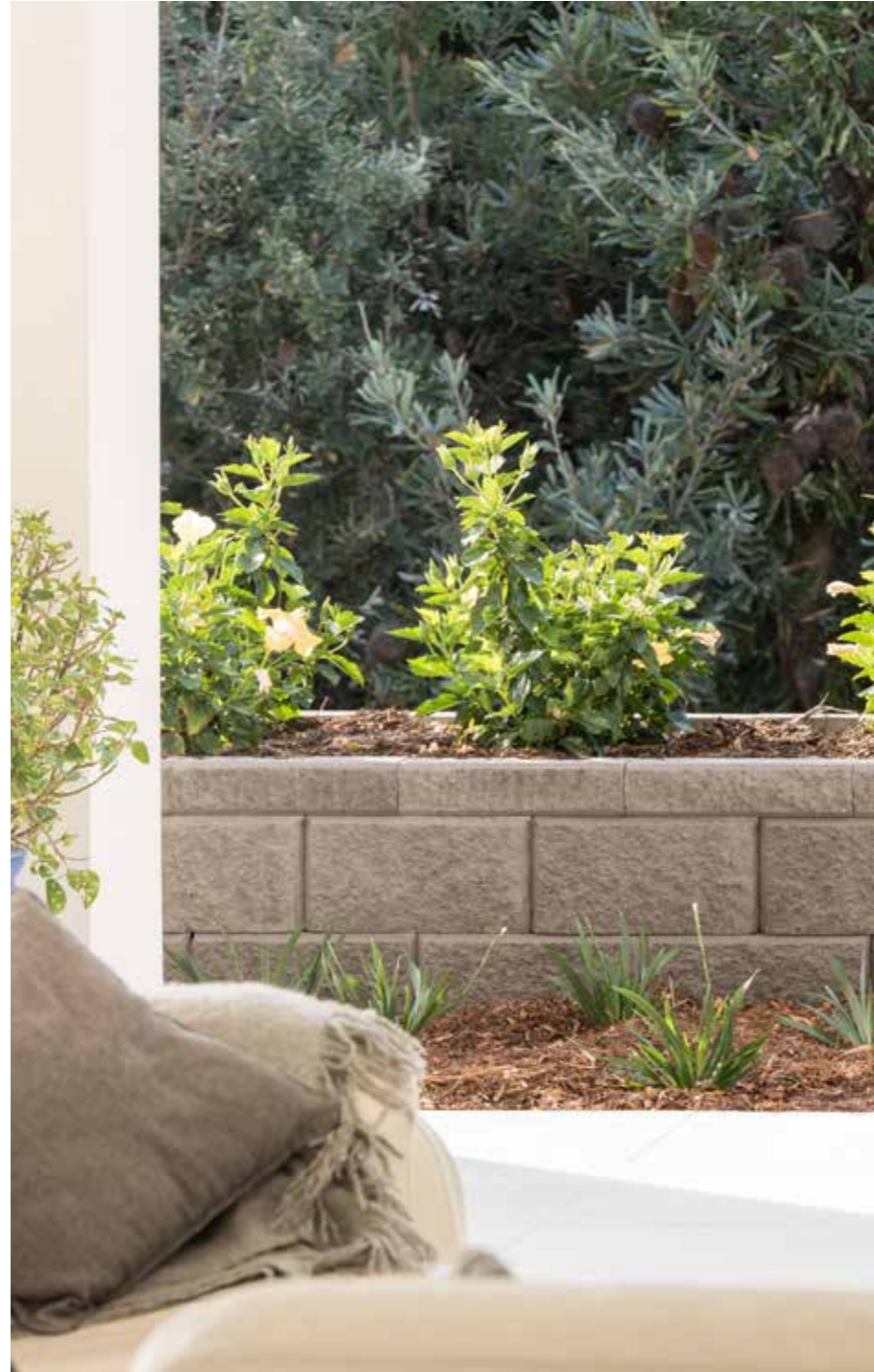
#### Straight Fence Brackets

Colorbond Fence 580L x 100W x 3T mm  
 Timber Fence 580L x 100W x 6T mm

#### Offset Fence Brackets

Colorbond Fence 580L x 187W x 3T mm  
 Timber Fence 580L x 187W x 6T mm

\*Please note: Fence brackets are not suitable for use in cyclonic areas. Nuts and bolts are included with each bracket.



## Product Details

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3

# Build Segmental Block Retaining Walls

## 1.

### Permits

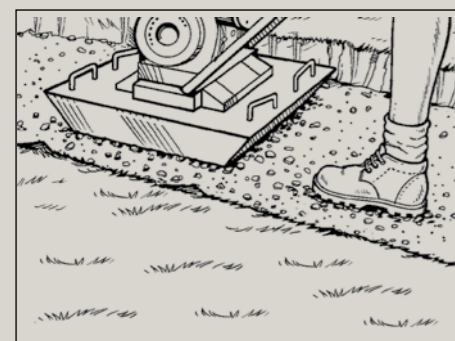
Check with your local council to ensure all local Building Codes are complied with.

## 2.

### Foundation

The foundation material shall be compacted by several passes of a mechanical plate vibrator.

Where there are significant variations of foundation material or compaction, soft spots, or where there is ponding of ground water, the material shall be removed, replaced and compacted in layers not exceeding 150mm. Trenches shall be dewatered and cleaned prior to construction, such that no softened or loosened material remains.

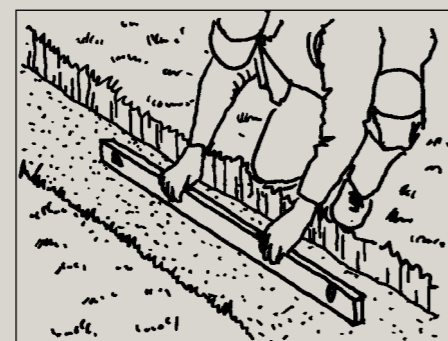


## 3.

### Levelling Pad (footing)

The facing shall be built on a levelling pad, not less than 150mm thick and 300–600mm wide, consisting of one of the following options:

- Compacted road base
- Compacted crushed rock, well-graded and of low plasticity (without clay content), compacted by a plate vibrator;
- Cement-stabilized crushed rock, with an additional 5% by mass of cement thoroughly mixed, moistened and compacted by a plate vibrator; or
- Lean-mix concrete with a compressive strength of not less than 15 MPa.

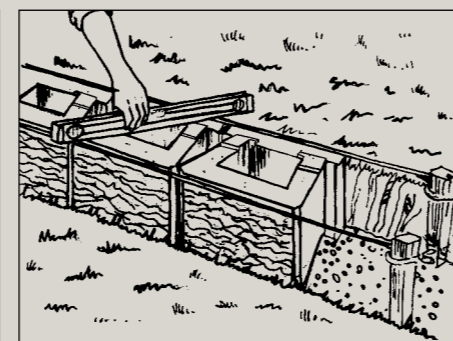


## 4.

### First Course

Place the first course on the levelling pad and tap into place ensuring blocks are level, front to back and side to side (check with a spirit level). The use of a level and string line is recommended to ensure the first course is laid correctly.

Ensure each block is also well filled with free-draining material (eg. crushed rock aggregate / blue metal). For walls up to 1 metre high, make sure at least 100mm of the first-course blocks are buried below the finished ground level. Allow 200mm for walls over 1 metre high and up to 3 metres high. These walls will need to be engineered.



### Your Checklist

- String line
- Tape measure
- Walling units
- Compaction tool
- Shovel
- Spirit level
- Wheelbarrow
- Agriculture drain pipe
- Pegs or stakes
- Broom
- Gloves & eye protection
- Saw (to cut blocks if required)
- 10–20mm crushed stone
- Crushed rock (for base)

Austral Masonry retaining wall blocks are an ideal choice for retaining walls in gardens, a range of residential applications and commercial projects. The interlocking and dry stacked nature of these blocks makes them easy to install for the “Do It Yourself” landscaper. No matter what the project, the result is always an attractive and low maintenance retaining wall. The flexibility of the system provides tremendous scope, from edging to terraces, straight walls to curves.

Note: Please consult with regulating council for local design requirements prior to the commencement of any retaining wall. Councils may request walls over 0.8m in height and / or where a surcharge exists (e.g. driveway, house, fence or other structure) be designed and certified by a suitably qualified consulting engineer.

## 5.

### Drainage and Back Fill

Place 100 mm diameter agricultural pipe with geotextile sock behind the wall, with a 1 in 100 fall. Backfill behind the courses of blocks to a width of 300 mm using 10-20 mm free draining material (eg. crushed rock aggregate / blue metal). Ensure each block is also well filled with free-draining material.

Backfill behind the drainage layer with selected backfill material in a maximum of 200mm layers. Compaction rate of 95% must be achieved (use only hand operated plate compactors within 1 metre from the back of the wall). Do not use expansive clays to backfill. Be careful not to mechanically compact too close to the wall.

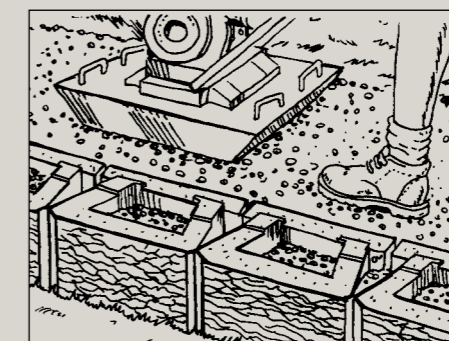
## 6.

### Laying Additional Courses

Clean any debris from the top of the wall to ensure the next block sits perfectly.

Ensure each block is filled with free draining material, and place next course on top. Place the drainage material behind the blocks to 300mm. Stack units, placing drainage aggregate and compact backfill for each block layer until the wall is complete.

For Heron and Hayman walls it is recommended that you break 20–30% of the back ‘wings’ off to allow backfill material to lock into the block wall. (when using no fines concrete)



## 7.

### Capping Units

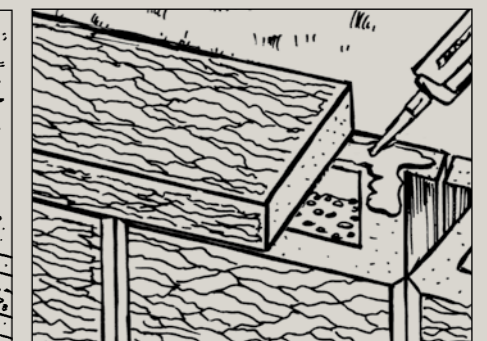
Once backfilling and cleaning is completed as per Step 5 and Step 6 fix the purpose made Capping Blocks with a flexible adhesive.

## 8.

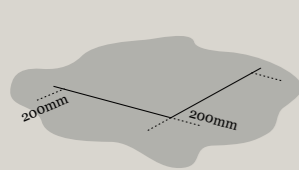
### Maximum Wall Height

This information should be viewed as a guide only. The particular circumstances of retaining wall projects vary significantly in ways that often dictate the use of particular materials and techniques to address challenges presented by those circumstances.

Austral Masonry recommends you to ensure that you obtain appropriate professional advice tailored to your circumstances before commencing retaining wall projects.



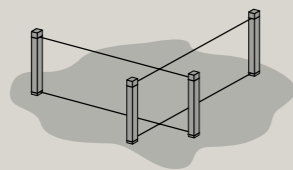
# Build Concrete Sleeper Retaining Walls



1.

## Prepare the Area

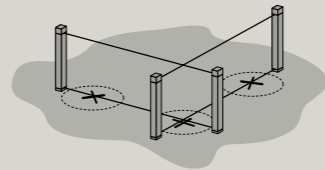
Clear and level your site where you plan to build the retaining wall. Ensure you leave 300mm behind the retaining wall area for backfill.



2.

## Alignment

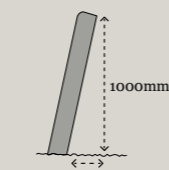
Place a star piquet or peg at both ends of the proposed wall. Attach two string lines at each end of the wall, top and bottom, to keep your wall aligned.



3.

## Mark out Hole Positions

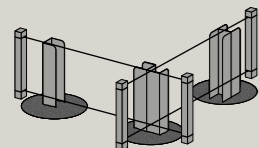
Starting from one end of the wall, mark a cross on the ground at intervals with their centre being approximately 20mm more than the length of the sleeper. For example: If you are using 1530mm sleepers the hole centres should be 1550mm apart – note, this will vary based on the length of sleeper used.



4.

## Auger Holes and Pour Concrete

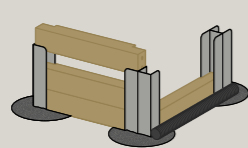
- Auger holes as per your engineer's specifications as approved by council.
- Pour concrete into holes, one at a time.
- Make the concrete stiff. If using readymix concrete, order 20/20, 80 slump.
- Set your post by lowering into ground until level with the top string lines.
- Ensure there is a minimum lean back of 30mm for every 1.0m in height.



5.

## Checking Posts

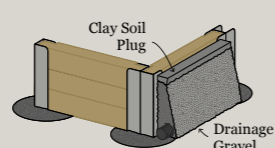
- Use a spirit level to make sure all your posts are aligned with the string line and are perpendicular on the sides.
- It is also important to measure the remaining distance to the top of your steel posts, to ensure the sleepers finish flush with the top of the posts.
- If required, lay a concrete pad on both sides of the steel post.



6.

## Ag Pipe and Backfill

Allow the concrete to cure for two to three days before you place your sleepers in. Place ag pipe at the base, then backfill with gravel to 200mm from the top.



7.

## Soil Plug

A soil plug is then placed in, to fill the wall to the top.

## Design Details

### Concrete sleeper walls for 5kPa walls

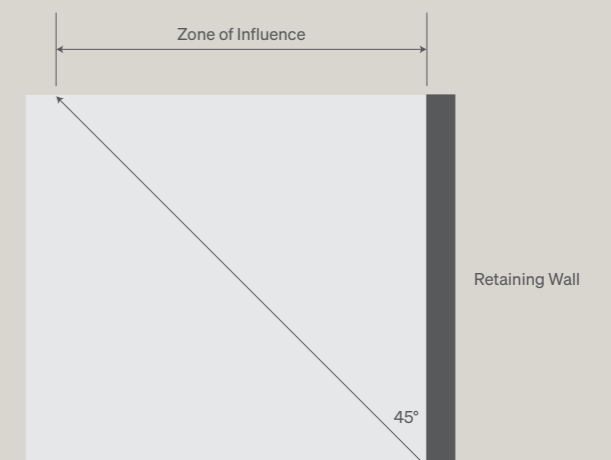
Wall Height	Sleeper Length (Max.)	Post Size (Mm)	Post C/C Spacing	Post Length
0.4m	2.00m	UC100	2020mm	1.15m
0.6m	2.00m	UC100	2020mm	1.15m
0.8m	2.00m	UC100	2020mm	1.55m
1.0m	2.00m	UC100	2020mm	1.95m
1.2m	2.00m	UC100	2020mm	2.35m
1.4m	1.53m Smooth	UC100	1550mm	2.75m
1.6m	1.53m Smooth	UC100	1550mm	3.15m
1.8m	1.53m Smooth	UC100	1550mm	3.55m
2.0m	1.53m Smooth	UC150	1550mm	3.95m
1.4m	1.58m Sandstone, Timberlook and Slate	UC100	1600mm	2.75m
1.6m	1.58m Sandstone, Timberlook and Slate	UC100	1600mm	3.15m
1.8m	1.58m Sandstone, Timberlook and Slate	UC100	1600mm	3.55m
2.0m	1.58m Sandstone, Timberlook and Slate	UC150	1600mm	3.95m

Please note: The above table does not allow for the additional loading of Colorbond fences when they are clamped to the walls using fence brackets which will require additional design criteria to be considered.

## Exclusion Zone

There must be an exclusion zone behind the wall at an angle of 45° – no structure can be placed within that exclusion zone. Zone of influence = height of the wall. Backfill must be placed and compacted in layers to not exert pressure on the wall due to consolidation over time.

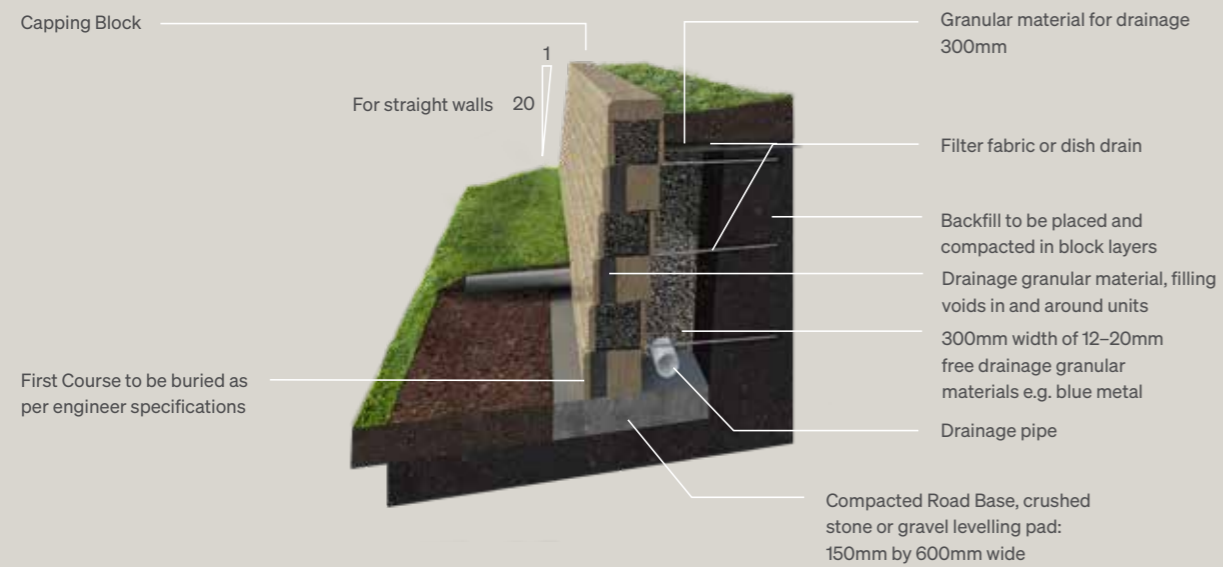
Global stability and tiered wall design is excluded and should be assessed by a qualified Geotechnical engineer.



# Retaining Wall Cross Sections

## Heron/Hayman

Please Note: Backfill should be no higher than the top of the retaining wall.



## Moreton/Fitzroy/Daydream

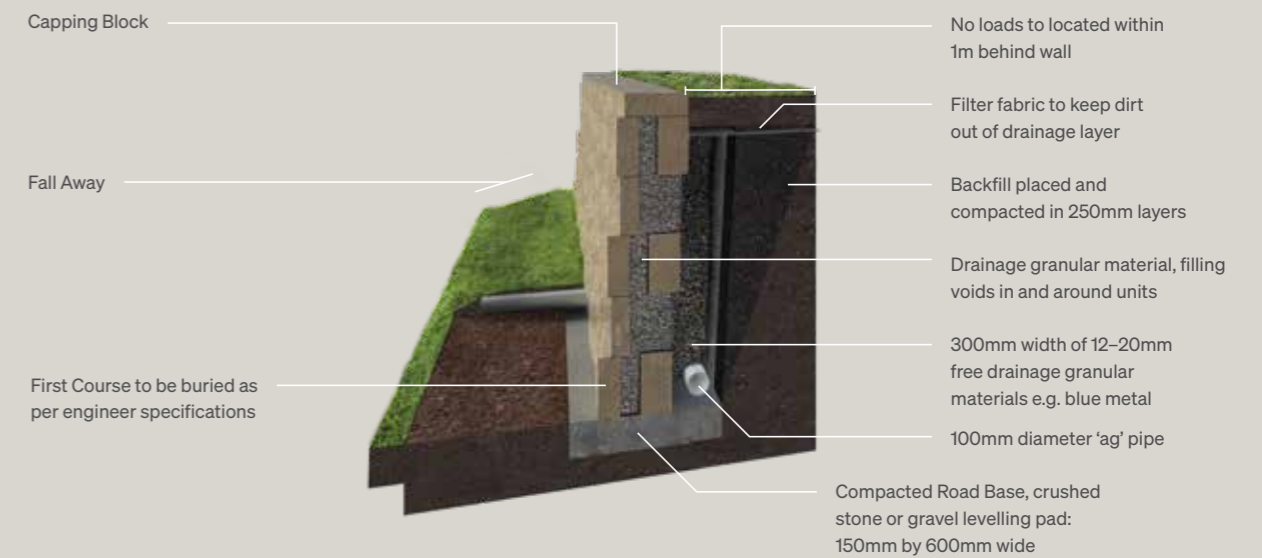
Please Note: Backfill should be no higher than the top of the retaining wall.



# Retaining Wall Cross Sections

## Keystone

Please Note: Backfill should be no higher than the top of the retaining wall.



## Design Details

### Retaining Walls

Product	Range	Description	Max Wall Height	Size (mm)	Weight	Coverage	Applications
	Whitsunday	Wall Block	800mm*	390L x 300W x 155H	29kg	16.6 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Fitzroy	Wall Block	800mm	375L x 210W x 180H	19.23kg	14 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Daydream	Wall Block	600mm	295L x 203W x 130H	12.19kg	25 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Daintree	Wall Block	800mm	295L x 203W x 125H	13kg	27.1 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Hayman	Wall Block	800mm*	390L x 245W x 198H	24kg	13 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Hayman	Corner Block	-	160L x 360W x 198H	17.2kg	N/A	Corners
	Hayman	Capping Block	-	390L x 245W x 90H	16kg	2.56 Blocks per lineal metre	Capping
	Heron	Standard Unit	800mm*	4390L x 245W x 198H	24kg	13 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Heron	Corner Block	-	160L x 360W x 198H	20kg	N/A	Corners
	Heron	Full Capping Block	-	390L x 245W x 90H	16kg	2.56 Blocks per lineal metre	Capping
	Heron	Half Capping Block	-	190L x 245W x 90H	9kg	5.13 Blocks per lineal metre	Capping
	Moreton	Capping Block	-	390L x 200W x 200H	22kg	2.56 Blocks per lineal metre	Capping
	Moreton	Standard Unit	800mm	390L x 200W x 200H	18.5kg	13 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Steps

Max Wall Heights in good soils (gravels, sandy gravels, crushed sandstone).

\* Heron, Hayman, and Moreton can be built up to 3m when designed by a suitably qualified engineer and combined with soil reinforcement or No Fines concrete.

^ Keystone can be built up to 15m high when designed by a suitably qualified engineer and combined with soil reinforcement.

## Design Details

### Retaining Walls

Product	Range	Description	Max Wall Height	Size (mm)	Weight	Coverage	Applications
	Country Manor	Standard Unit	800mm*	455L x 315W x 200H	38kg	11 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Country Manor	Flushface Unit	800mm*	455L x 315W x 200H	41kg	11 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Country Manor	Small Unit	-	455L x 310W x 100H	20kg	2.2 Blocks per lineal metre	Capping
	Country Manor	Capping Block	800mm*	455L x 315W x 200H	38kg	11 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Keystone	Flushface Unit	800mm*	455L x 315W x 200H	41kg	11 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Keystone	Standard Unit	800mm*	455L x 315W x 200H	41kg	11 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Keystone	Corner Unit	800mm*	455L x 315W x 200H	41kg	11 Blocks per m <sup>2</sup>	Curved Walls, Straight Walls, Corners, Steps
	Keystone	Standard Capping Unit	-	455L x 315W x 100H	20kg	2.2 Blocks per lineal metre	Capping
	Keystone	Flushface Capping Unit	-	455L x 310W x 100H	20kg	2.2 Blocks per lineal metre	Capping
	Explorer Smooth	Standard Unit	800 mm* (3m with engineering)	1200L x 200H x 75T 1530L x 200H x 75T 2000L x 200H x 75T 2400L x 200H x 75T 2000L x 400H x 75T 2000L x 600H x 75T 2000L x 1000H x 75T	41kg 53kg 67kg 89kg 144kg 218kg 362kg	4.17 Units per m <sup>2</sup> 3.27 Units per m <sup>2</sup> 2.50 Units per m <sup>2</sup>	Straight Walls, Corners, Steps
	Explorer Timberlook	Standard Unit	800 mm* (3m with engineering)	1580L x 200 H x 75T 2000L x 200 H x 75T 2400L x 200 H x 75T	51kg 66kg 105kg	3.16 Units per m <sup>2</sup> 2.50 Units per m <sup>2</sup>	Straight Walls, Corners, Steps
	Explorer Sandstone	Standard Unit	800 mm* (3m with engineering)	1580L x 200H x 75T 2000L x 200H x 75T 2400L x 200 H x 75T	58kg 72kg 110kg	3.16 Units per m <sup>2</sup> 2.50 Units per m <sup>2</sup>	Straight Walls, Corners, Steps
	Explorer Slate	Standard Unit	800 mm* (3m with engineering)	1580L x 200H x 75T 2000L x 200H x 75T	58kg 72kg	3.16 Units per m <sup>2</sup> 2.50 Units per m <sup>2</sup>	Straight Walls, Corners, Steps

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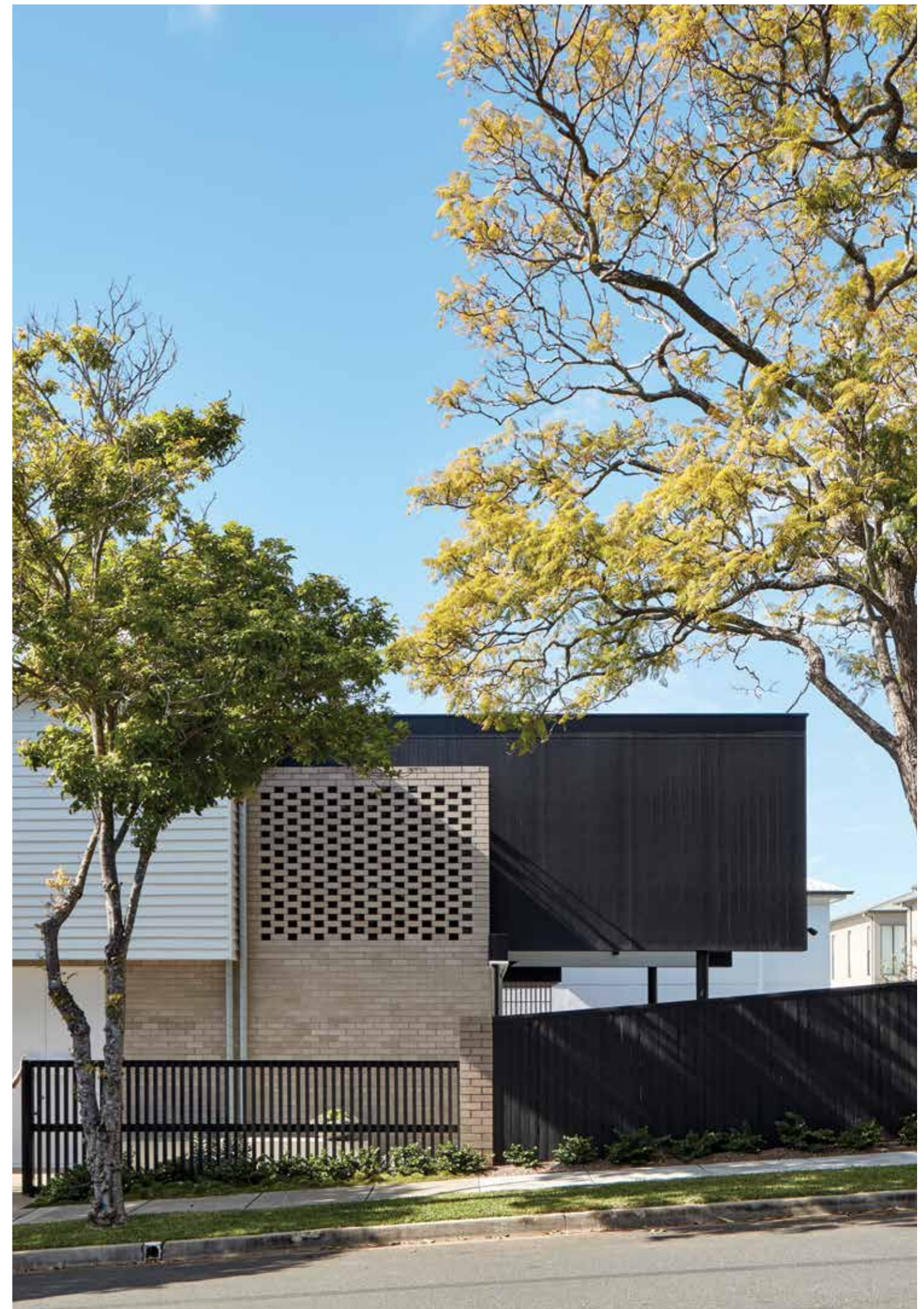
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