

Landscape Solutions
Paving and Retaining Wall



Retaining Wall - Miniwall®

The easiest way...

Miniwall® Bondi Blend®



Miniwall® Sunstone™



Miniwall® Oatmeal™

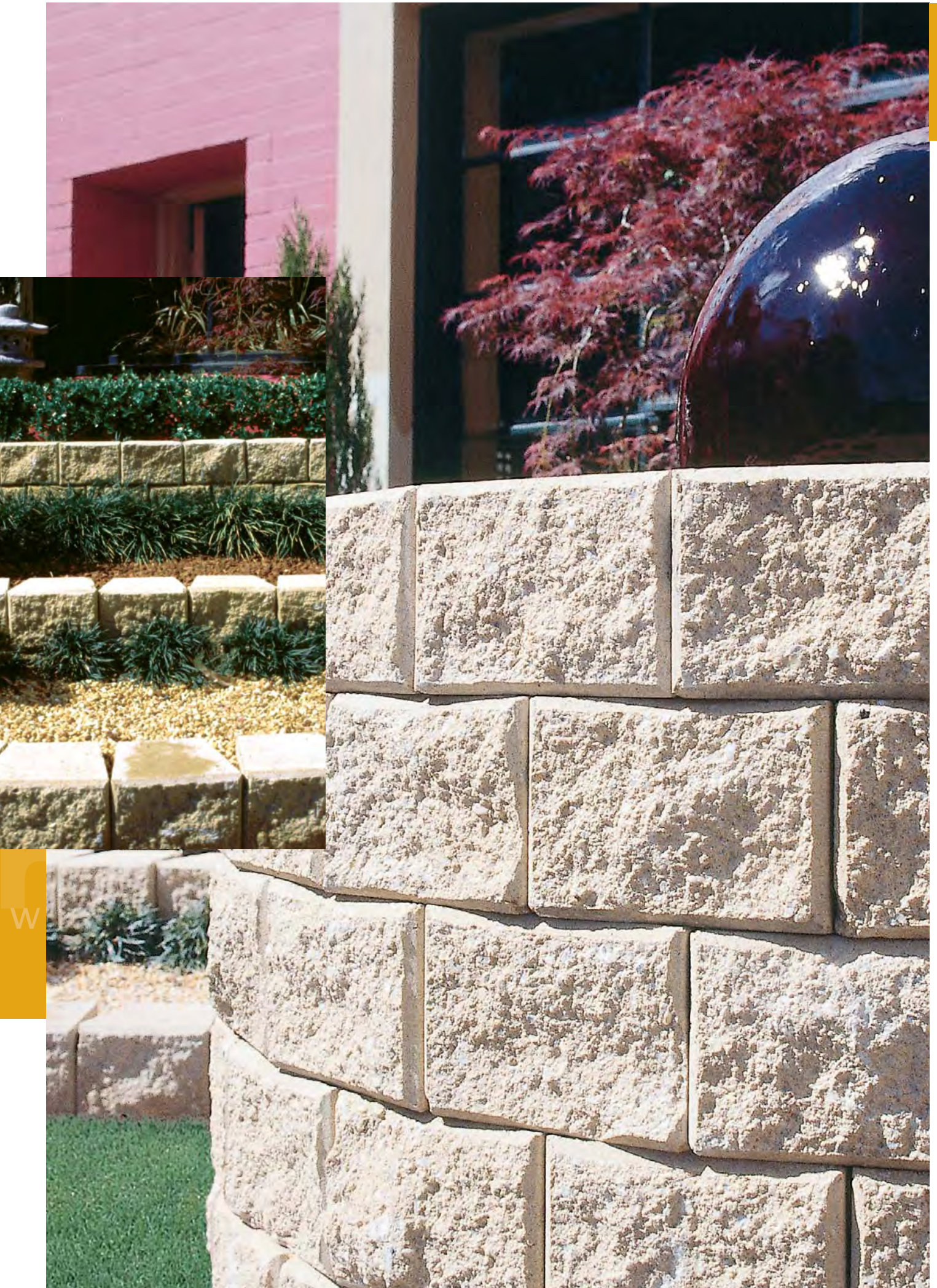


retaining wall retaining wall retaining

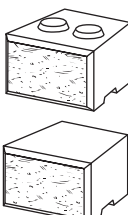
Simply the easiest way to create a small wall or garden edge the Miniwall® and Minicap™ systems combine to give the professional and do-it-yourself landscaper a natural stone finish wall with the simplest of installations.

Able to create concave and convex curves, the Miniwall® system requires minimal foundation preparation. Being one of the lightest walling blocks available and coming pre-split and ready to use, the Miniwall® and Minicap™ systems are completely user friendly.

Available in a range of colours, the Miniwall® system can form the basis of any garden construction, whether that be a whole garden development or a small planter box.



Product Guide - Miniwall®

| Products | Type | Size (mm) w x h x d | No. per m ² | No. per tonne | No. per pallet | Colours | | | | | | | | | | | | |
|---|---|---|-------------------------------------|---------------|--|--|--------------|--------------|------------|------------|----------|--------|---|---|---|---|---|---|
|  | Miniwall® | H 125 D 182 Front W 182 Back W 132 | Solid Wall 50 Semi Solid Wall 44 | 136 | 252 | <table border="1"> <tr> <td>Oatmeal™</td> <td>Bondi Blend®</td> <td>Sunstone™</td> <td>Port Blend</td> <td>Charcoal</td> <td>Fossil</td> </tr> <tr> <td>▪</td> <td>▪</td> <td>▪</td> <td>▪</td> <td>▪</td> <td>▪</td> </tr> </table> | Oatmeal™ | Bondi Blend® | Sunstone™ | Port Blend | Charcoal | Fossil | ▪ | ▪ | ▪ | ▪ | ▪ | ▪ |
| | Oatmeal™ | Bondi Blend® | Sunstone™ | Port Blend | Charcoal | Fossil | | | | | | | | | | | | |
| ▪ | ▪ | ▪ | ▪ | ▪ | ▪ | | | | | | | | | | | | | |
| Minicap™ | H 125 D 182 Front W 182 Back W 132 | Solid Wall 50 Semi Solid Wall 44 | 137 | 252 | <table border="1"> <tr> <td>Oatmeal™</td> <td>Bondi Blend®</td> <td>Sunstone™</td> <td>Port Blend</td> <td>Charcoal</td> <td>Fossil</td> </tr> <tr> <td>▪</td> <td>▪</td> <td>▪</td> <td>▪</td> <td>▪</td> <td>▪</td> </tr> </table> | Oatmeal™ | Bondi Blend® | Sunstone™ | Port Blend | Charcoal | Fossil | ▪ | ▪ | ▪ | ▪ | ▪ | ▪ | |
| Oatmeal™ | Bondi Blend® | Sunstone™ | Port Blend | Charcoal | Fossil | | | | | | | | | | | | | |
| ▪ | ▪ | ▪ | ▪ | ▪ | ▪ | | | | | | | | | | | | | |

Colour Chart - Miniwall®

Oatmeal™



Bondi Blend®



Sunstone™



Port Blend

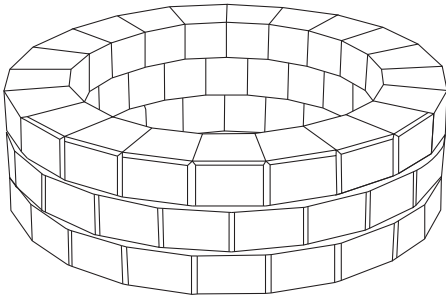


Charcoal



Fossil





Curved Radius

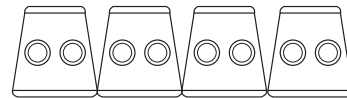
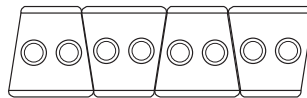
Minimum radius for inside curve is 435mm and 615mm for outside curves. As Miniwall® units can produce a tight radius, cumbersome corner units are not required - simply round the corner off. Half units, if required, can be split or cut from full units using a masonry cutter.

Hint: 21 units form a circle.

Maximum Heights

The Miniwall® system is suitable for walls up to 500mm high (4 courses) where there is no surcharge loading. A surcharge loading applies when:

- A wall is supporting a driveway or other load
- There is greater than 3:1 slope above the wall
- Another retaining wall above the wall which is less in distance behind the wall than double the height of the lower wall.



Solid Wall

Larger faces on alternative sides

Semi Solid Wall

Larger faces on visible side

Laying Instructions

Step 1

Dig a shallow trench, level and place 100mm of crushed rock in the bottom and compact.

Step 2

Spread and level 25mm of coarse sand as a bedding layer. Place the first layer of Miniwall® units onto the sand and tap into place with a mallet. A stringline is essential for building straight walls. Ensure that each unit is level from front to back and side to side.

Step 3

Stack Miniwall® units along the length of the wall to a maximum of 3 rows, ensuring that each row is offset to the one below. If the wall is acting as a small retainer, install 90mm agricultural pipe at the rear of the wall for drainage and fill 200mm behind the wall with drainage material.

Step 4

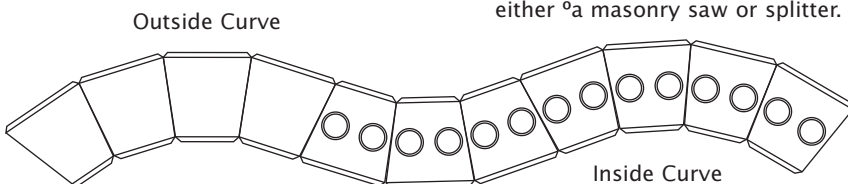
Before applying Minicap™ units, place some construction adhesive either side of the interlocking modules on the Miniwall® units. Position the Minicap™ units and press firmly into position.

Freestanding Walls

As Miniwall® units are stacked vertically and both the front and back of each unit is finished with an attractive split stone texture, both sides of the wall may be left exposed. In this situation it is recommended that construction adhesive be used between the upper courses of the wall.

S-Curves

To build a solid wall which changes from an inside curve to an outside curve, a half unit will be required every second course. Use a Minicap™ unit and perform the cut with either a masonry saw or splitter.



Retaining Wall - Wallstone®

Garden Edge is a handy and versatile new garden edge and cladding product from Adbri Masonry. Garden Edge can be used to create a garden bed by installing it vertical onto a wet concrete base.

Garden Edge can also be used to conceal and improve unsightly old walls or to clad new walls up to 1.5 metres high. Simply apply the Garden Edge to the prepared surface (clean, dry and free of paint, dust and oil) with a waterproof construction adhesive in accordance with the manufacturer's specifications.

Used to create a garden edge



Wallstone® Suntone™



Wallstone® Bondi Blend®



Wallstone® Charcoal

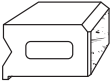
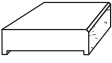




retaining wall retaining wall retaining

The Wallstone® system has many of the features of other systems but with the added advantage of choice between a vertical wall or a setback wall. The Wallstone® system gives a contemporary feel to an extremely flexible system, encompassing straight walls, convex or concave curves, right angle corners and formal stairs in 150mm step heights.



The radius of convex walls can be as little as 2400mm and concave walls 2100mm, while the standard and tapered units can be mixed to achieve appealing designs. Pins, clips or mortar are not required. A compacted gravel-leveling pad is sufficient in all Wallstone® applications.

Product Guide - Wallstone®

| Products | Type | Size (mm) w x h x d | No. per m ² | No. per tonne | No. per pallet | Colours |
|--|--|------------------------------------|---------------------------|------------------|-------------------|---|
|  | Standard Stacking Unit Tapered Stacking Unit* Tapered Rear Width - 180mm | 200 x 150 x 220 200 x 150 x 220 | 33 | 103 106 | 140 | Oatmeal™ Bondi Blend® Sunstone™ Charcoal |
|  | Split Capping Split Capper 300 | 300 x 60 x 250 | | 106 | 144 | Oatmeal™ Bondi Blend® Sunstone™ Charcoal |
|  | Cornerstone 90° External Corner Righthand | 300 x 150 x 220 | | 49 | 75 | Oatmeal™ Bondi Blend® Sunstone™ Charcoal |
|  | Cornerstone 90° External Corner Lefthand | 300 x 150 x 220 | | 49 | 75 | Oatmeal™ Bondi Blend® Sunstone™ Charcoal |

*Tapered units are always supplied in equal quantities of left and right.

Garden Edging - Wallstone®

| Products | Type | Size (mm) w x h x d | No. per L/m ² | No. per tonne | No. per pallet | Colours |
|---|-------------------------------|------------------------|-----------------------------|------------------|-------------------|---|
|  | NEW Garden Edge | 200 x 150 x 65 | 5 | 320 | 326 | Oatmeal™ Bondi Blend® Sunstone™ Charcoal |
|  | NEW Garden Edge Grande | 300 x 60 x 65 | 3.33 | 167 | 256 | Oatmeal™ Bondi Blend® Sunstone™ Charcoal |

Retaining Wall - Wallstone® Grande

New product.

Wallstone® Grande Bondi Blend®



Wallstone® Grande Charcoal



Wallstone® Grande blocks are available in a split face as shown and is a retaining wall system that comes complete with matching cornerstones and capping units. Wallstone® Grande blocks are not only larger than the original Wallstone® but are made using **Premium Sands** for a superior finish. As a result the Grande range is slightly different in colour to the original Wallstone® range, therefore, all components including corners, caps and wall units need to be ordered as 'Grande' products.

Wallstone® Grande Charcoal

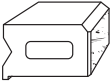
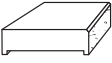




Wallstone® Grande Bondi Blend®



The Wallstone® and Wallstone® Grande systems are comprehensive yet easy to install and provide a solution to most retaining wall projects, and the range includes tapered units for curves. The ranges are completed with matching cornerstones and capping units for a stylish and professional finish which is why the Wallstone® system and now the Wallstone® Grande system are the first choice for retaining walls.

Product Guide - Wallstone® Grande

| Products | Type | Size (mm) w x h x d | No. per m ² | No. per tonne | No. per pallet | Colours |
|--|---|------------------------------------|---------------------------|------------------|-------------------|---|
|  | Hollow Standard Stacking Unit Tapered Stacking Unit* Tapered Rear Width - 285mm | 300 x 150 x 220 300 x 150 x 220 | 22.2 | 66 66 | 105 | Oatmeal™ Bondi Blend® Sunstone™ Charcoal Fossil |
|  | Split Capping Split Capper 300 | 300 x 60 x 250 | | 106 | 144 | |
|  | Cornerstone 90° External Corner Righthand | 300 x 150 x 220 | | 40 | 75 | |
|  | Cornerstone 90° External Corner Lefthand | 300 x 150 x 220 | | 40 | 75 | |

*Tapered units are always supplied in equal quantities of left and right.

Typical Cross Section - Wallstone® and Wallstone® Grande

Maximum Heights (Before Capping):

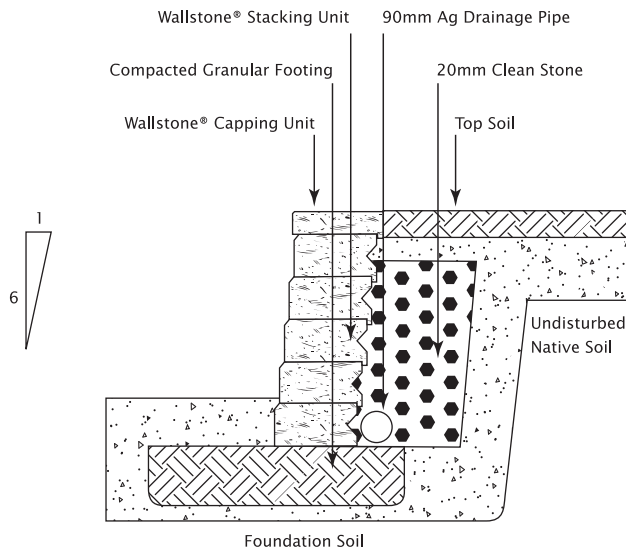
- Wallstone® and Wallstone® Grande:
Setback Wall - 750mm + cap.
- Wallstone® and Wallstone® Grande:
Vertical Wall - 600mm + cap.

These heights apply to all site soil types excluding clay or sandy/silty clays and are applicable for residential applications only.

These conditions must be observed:

- Wall designs are for level backfill or maximum 1 in 8 slope at rear of wall
- The distance between terraced walls must exceed 2x the height of the lower wall
- No static loads are to be applied to the wall
- Water run-off must be diverted away from the wall.

If any of these conditions cannot be met, or your wall exceeds the maximum design height, please ask Adbri Masonry for help or consult a suitably qualified engineer.



Colour Chart - Wallstone[®], Wallstone[®] Grande, Wallstone[®] Edge

Oatmeal[™]



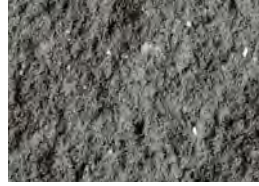
Bondi Blend[®]



Sunstone[™]



Charcoal



Fossil[®] (Wallstone Grande only)



Laying Instructions

Step 1

Dig a shallow trench, level and place 100mm of crushed rock in the bottom. Level and compact. Allow for 75mm embedment of the bottom course and 300mm behind the wall for drainage.

Step 2

Spread and level approximately 25mm of coarse sand as a bedding layer then place the first course of Wallstone[®] units. Use a stringline for creating a straight line, and level from side to side and front to back. Install a 90mm Agricultural Pipe (on grade) at the rear of the wall for drainage.

Step 3

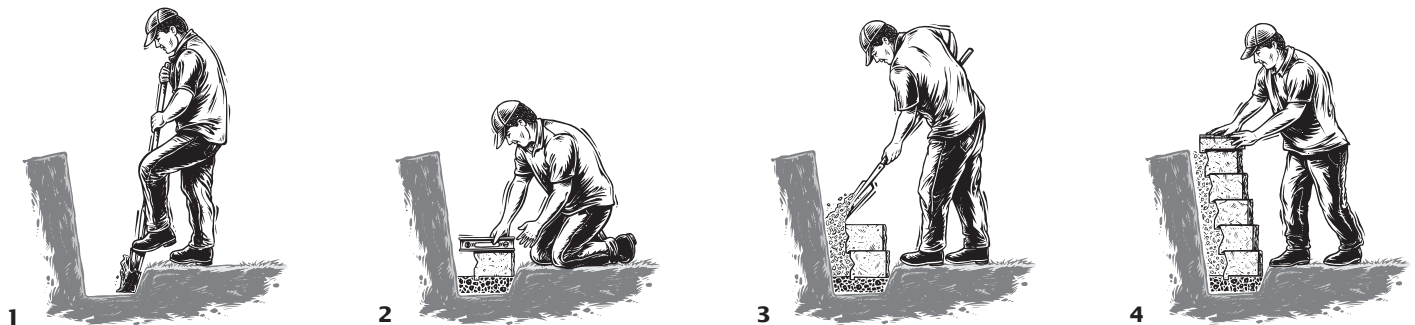
Fill behind each course with granular rock for drainage and carefully compact. Check each course is level before proceeding and stack each additional row offsetting from the block below.

Step 4

On the last course of stacking units, place a line of adhesive front and back and place the capping unit. Apply pressure to secure and use a stringline and level for the best result.

Notes:

- Slope the soil above and below the wall to ensure that water will flow away from and not accumulate near the wall
- It is advisable to place a dab of adhesive between corner units
- If a vertical wall is required then follow the same instructions but remove the narrow section at the top of each unit using a bolster chisel.

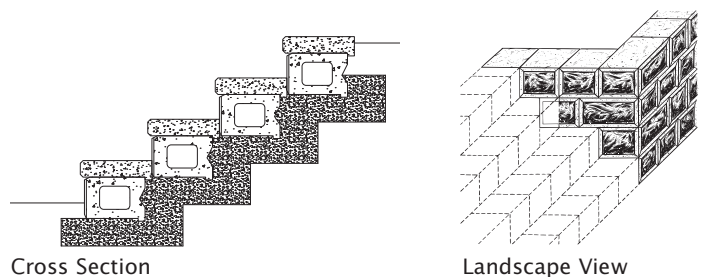


Building Steps with Wallstone[®] and Wallstone[®] Grande

The versatility of building steps is only limited by your imagination. Steps can be designed with flowing curves or with right angles.

The simplest step design combines Wallstone[®] standard units with corner units and Wallstone[®] capping as step treads.

Alternatively, bullnose pavers may be used as step treads.



Retaining Wall - Allan Block™

Simple, strong and reliable.

AB Classic Sunstone™



AB Classic Bondi Blend®



retaining wall retaining wall retaining

The unique features of Allan Block™ products make construction of retaining walls simple yet strong and reliable. Ideal for any domestic project or larger engineered commercial structure.

The Allan Block™ range is a totally versatile system allowing for convex or concave curves, straight walls, right angle corners, steps and terraced walls.



AB Aussie Vertical Bondi Blend®

AB Classic Bondi Blend®



Retaining Wall - Allan Block™

AB Aussie Vertical Bondi Blend®



Steps using Allan Block™








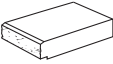
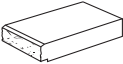
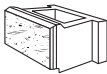
AB Aussie Vertical Charcoal



retaining wall retaining wall retaining wall

Allan Block™ units are now available vertical as well as with setbacks to suit any project. Allan Block™ retaining walls have a choice of setbacks and a maximum non-engineered height of 1200mm. Always check with your Council where a surcharge loading applies or for their maximum permitted height for non-engineered walls. For further information please refer to the AB Installation Guide or contact Adbri Masonry for assistance.

Product Guide - Allan Block™

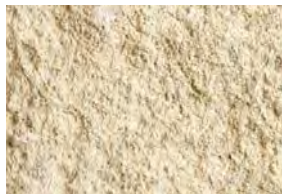
| Products | Type | Size (mm) w x h x d | Setback | No. per m ² | No. per tonne | No. per pallet | Firm to Silty Clay | Silty Sand | Clean Sand or Gravel | Colours | | | |
|---|--|---|---------|---------------------------|------------------|-------------------|--|---------------|----------------------------|----------|--------------|-----------|----------|
| | | | | | | | | | | Oatmeal™ | Bondi Blend® | Sunstone™ | Charcoal |
|  | AB Junior™ Vertical | 216 x 200 x 240 | 1° | 23 | 68 | 100 | 600mm | 700mm | 800mm | ▪ | ▪ | ▪ | ▪ |
|  | AB Aussie Vertical | 435 x 200 x 240 | 1° | 11.5 | 34 | 50 | 600mm | 700mm | 800mm | ▪ | ▪ | ▪ | ▪ |
|  | AB Cornerstone Short Vertical | Lefthand (shown) or Righthand 300 x 200 x 196 | 1° | N/A | 51 | 60 | Specifically for AB Junior™ Vertical | | | ▪ | ▪ | ▪ | ▪ |
|  | AB Cornerstone Long Vertical | Lefthand or Righthand (shown) 300 x 200 x 196 | 1° | N/A | 45 | 50 | Specifically for AB Aussie Vertical | | | ▪ | ▪ | ▪ | ▪ |
|  | AB Cornerstone Long Setback | Lefthand or Righthand (shown) 400 x 200 x 196 | 6° | N/A | 45 | 50 | Specifically for AB Classic | | | ▪ | ▪ | ▪ | ▪ |
|  | AB Split Capper Short | 216 x 80 x 245 | N/A | N/A | 108 | 120 | Specifically for AB Junior™ Vertical and AB Aussie Vertical | | | ▪ | ▪ | ▪ | ▪ |
|  | AB Split Capper Long | 216 x 80 x 310 | N/A | N/A | 86 | 120 | Suitable for all AB products | | | ▪ | ▪ | ▪ | ▪ |
|  | AB Classic | 435 x 200 x 305 | 6° | 11.5 | 32 | 40 | 900mm | 1100mm | 1200mm | ▪ | ▪ | ▪ | ▪ |

Notes:

- Walls that exceed the maximum heights for gravity walls listed will need reinforcement
- Refer to Adbri Masonry for guidelines on designing geogrid reinforced retaining walls
- Special colours can be made for large projects.

Colour Chart - Allan Block™

Oatmeal™



Bondi Blend®



Sunstone™



Charcoal



Installation Guide - Allan Block™

AB Installation Summary

Step 1

Excavate base trench at wall location and install Base Material (a well graded compactable aggregate 5mm to 20mm diameter). Base Trench is typically 600mm wide by 100mm deep plus 25mm in depth for every 300mm of wall height. Begin excavation at the lowest point and dig a level trench into the slope until it is deep enough to accommodate 100mm Base Material and the recommended depth of embedment.

Step 2

Install base material and rake smooth and compact, check the entire length for level and adjust as needed.

Step 3

Install basecourse starting at the lowest point. Place the first row of Allan Block™ unit on the base material with the raised front lip facing up and forward to the front of the wall. Check and adjust the level and alignment of all blocks with a stringline across the back of the blocks or the back of the lips. Make minor adjustments by tapping the block with a rubber mallet. Irregularities in the base course become larger as the wall stacks up!

Step 4

Install an Agricultural Pipe at the bottom rear of the drainage field with appropriate fall to designated drainage point. Fill Allan Block™ hollow cores and the minimum 300mm behind the wall with drainage material (not crushed rock or material containing 'fines'). Using onsite soils, backfill behind drainage zone and in front of the base course.

Step 5

Brush off excess drainage material from top of blocks. Stack the next row of blocks with the vertical joints offset from the joints below. Blocks may be adjusted to form straight lines and smooth curves. Check it is level and adjust as needed before installing drainage and backfill materials as in Step 4.

Step 6

Using a vibrating plate compactor, compact over the top of the blocks running parallel to the wall. This will lock the blocks into position. Avoid hitting the front lip, as this will knock the blocks out of alignment. Next, compact the drainage and then the backfill area, always running parallel to the wall.

Step 7

Install additional courses by repeating steps 5 and 6. Each lift of drainage and backfill materials should be installed in the same manner, compact in lifts of 200mm (every course).

This summary is intended as a general guide only. For more detailed information including creating curves, corners, steps, terraced walls or water management, please refer to the separate Allan Block™ Installation Guide (available from Adbri Masonry or your local distributor) before constructing your wall.

For walls that exceed the maximum heights in the table opposite please consult an engineer and check with your local Council for requirements.

Please Note:

- Product to be purchased by the unit as metre price is approximate only
- Prices are delivered prices in normal delivery areas for two (2) pallets or more
- An additional surcharge applies for all deliveries under two (2) pallets, please enquire at point of sale.
- Payment is to be made in full at the time of order unless prior arrangements have been made
- All coloured product should be ordered at the one time to reduce the risk of batch variation
- No claims will be accepted for under or over estimation of quantities
- No claims will be accepted once product has been installed
- Pallet quantities may vary from time to time
- We strongly advise customers to allow for wastage/cutting by ordering an additional 3 to 5%.

Adbri Masonry Stock Returns Policy:

Adbri Masonry will only accept product returns under the following guidelines:

- **Grey Brick or Block** - only full pallets stacked in original configuration
- **Paving and Retaining Walls** - only full pallets stacked in original configuration
- **Coloured Brick and Block** - no returns accepted
- **Made to Order (QC Orders) any product** - no returns accepted.

In all cases product must be untouched/clean of dirt and debris, on wooden pallets and accessible for collection by fork or crane truck.

Fixed cost for product return must be

Landscape Solutions: AB.LSED0108

Adbri Masonry logo, Atenstone®, Bondi Blend®, Havenbrick®, Havenpave®, Havenslab®, Miniwall®, Stradapave®, Wallstone®, Boulevard®, Fossilstone™, Minicap™, Stradastone™, Sunstone™ and Oatmeal™ are trade marks of Adbri Masonry Pty Ltd or its related entities.

The Allan Block™ logo and brand name AB Junior™ are trade marks of the Allan Block Corporation and are used under license.

Patents:

Allan Block™ Retaining Wall Systems are protected by Australian Patent No. 682394 and by Australian Registered Design No. 133306.

Note: Printed material may differ from actual product colour.

FREE PALLET COLLECTION SERVICE
FREECALL: 1800 674 961
OR DROP PALLETS BACK TO PLACE OF PURCHASE

Please DO NOT dispose of Adbri Masonry pallets in any other way.

Adbri Masonry pallets always remain the property of Adbri Masonry Pty Ltd.

Pallets will be collected within 3 days in most cases.

Pallets must be empty and stacked in a safe and accessible area during daylight hours.

PLEASE CONTACT US FOR MORE INFORMATION



CAMPBELLFIELD
1596 Hume Highway,
Campbellfield Vic 3061
Ph: (03) 9359 6028
FA X: (03) 9359 6911

GREENSBOROUGH
297 Diamond Creek Road,
Greensborough Vic 3088
Ph: (03) 9434 6744
FA X: (03) 9434 6455

MORDIALLOC
80 Governor Road,
Mordialloc Vic 3195
Ph: (03) 9580 1080
FA X: (03) 9580 1732

**FOR ALL YOUR
LANDSCAPING AND BUILDING
REQUIREMENTS**