

# adbri MASONRY

an ADBRI company



NSW | RETAINING WALL

## LANDSCAPE SOLUTIONS

# AUSTRALIA'S LEADING MASONRY MANUFACTURER

From making better use of sloped land to simple garden edging, Adbri Masonry has a retaining wall for every application. This selection guide contains information, helpful hints and insights which will help you with your next retaining wall project.

Retaining walls are a key element to any outdoor area, helping set the tone of space through bold feature walls or even by simply framing garden areas. Working seamlessly with Adbri Masonry's brilliant paving solutions, our range of retaining walls are as practical as they are aesthetically inspiring.

Whether it is making better use of precious space or crafting new areas for planting your green creations, Adbri Masonry has the perfect retaining wall solution for your next project.



## JASON HODGES *LANDSCAPING EXPERT*

Jason Hodges is Adbri's DIY landscaping expert! Jason has over 20 years experience as a landscaper and more recently, an international award winning landscape designer. Learn from Jason and look out for his hints and tips to help you get the most from your outdoor space.

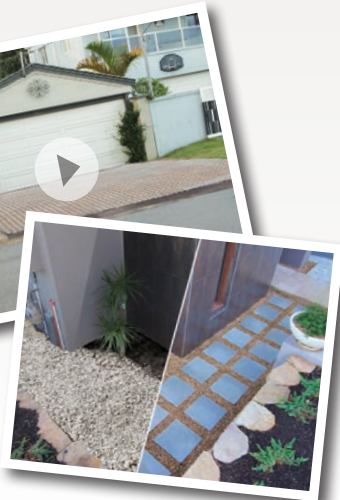
Jason Hodges | Landscaping Expert

# ADD VALUE TO YOUR HOME THIS WEEKEND

Create a garden wall  
with Versawall® blocks



For the full range of my hints, tips and DIY videos  
visit us at [adbrimasonry.com.au/diy](http://adbrimasonry.com.au/diy)

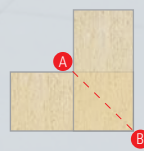


# Versawall®

The Versawall® system is a unique interlocking retaining wall system perfect for constructing pure vertical DIY walls and planter boxes to 800mm in height or up to 1400mm with engineering and No Fines Concrete.



## HOW TO CREATE MITRED CORNERS ON RETAINING WALL CAPS



1. Line up a corner of your 2 caps.
2. Make a mark on the bottom cap where the 2 caps intersect (Point A)
3. Draw your line on the top cap from Point A to corner (Point B)
4. Repeat step 3 for the bottom cap.



## WATCH OUR DIY VIDEO

Scan the QR code to watch our DIY video on how to create mitred corners on retaining wall caps.

RECOMMENDED FOR



Garden Steps



Engineered Wall

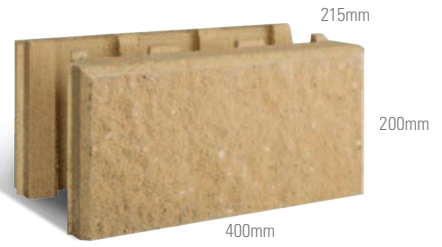


Vertical Walls

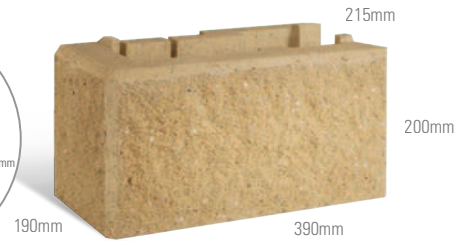
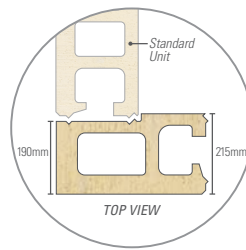


Versawall® | Charcoal

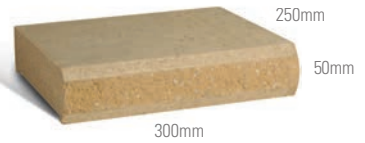
AVAILABLE SIZES



Versawall® Standard Unit  
12.5 units per m<sup>2</sup>



Versawall® Corner Unit  
Left and right corner available



Versawall® Cap  
3.3 units per 1/m

*Maximum non reinforced height 800mm+Cap (4 courses)  
or up to 1400mm with No Fines Concrete*

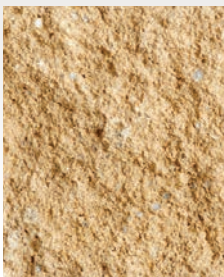


COLOUR OPTIONS

OATMEAL



SUNSTONE



CHARCOAL

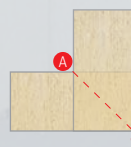


Due to natural variations in raw materials used, colour tones and texture may vary from batch to batch.

Whilst these swatches provide a good indication of the products colour, you should always sight product samples before use.

# Versasmooth®

Achieve the look of a rendered block wall without the render! These coloured concrete building blocks feature a smooth, flat surface texture.



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3. Draw your line on the top cap from Point A to corner (Point B)
4. Repeat step 3 for the bottom cap.



## WATCH OUR DIY VIDEO

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RECOMMENDED FOR



Garden Steps



Engineered Wall

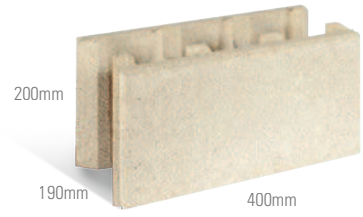


Vertical Walls

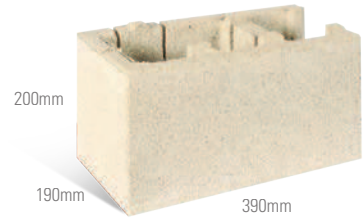


Versasmoofth® | Oatmeal

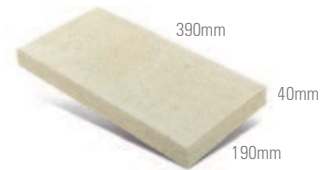
AVAILABLE SIZES



Versasmoofth® Standard Unit  
12.5 units per m<sup>2</sup>



Versasmoofth® Corner Unit  
Left and right corner available



50.31 Coloured Capping Unit  
2.56 units per 1/m

*Maximum non reinforced height 600mm+Cap (3 courses)  
or up to 1200mm with no fines concrete*

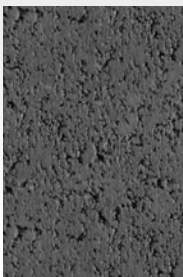


COLOUR OPTIONS

OATMEAL



CHARCOAL



IVORY



STEEL



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# DIY Concrete Sleeper

The DIY Concrete Sleeper is a DIY friendly low height garden wall, perfect for edging, planter boxes, mowing strips, low height retaining walls and light pedestrian paths.





RECOMMENDED FOR



Garden Beds



Engineered Wall



Vertical Walls



Garden Edging

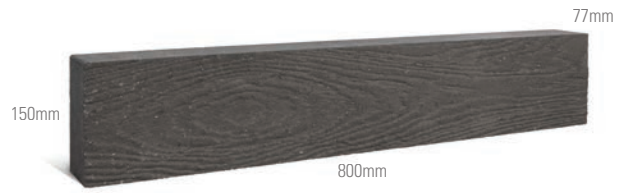


Paths



DIY Concrete Sleeper | Charcoal

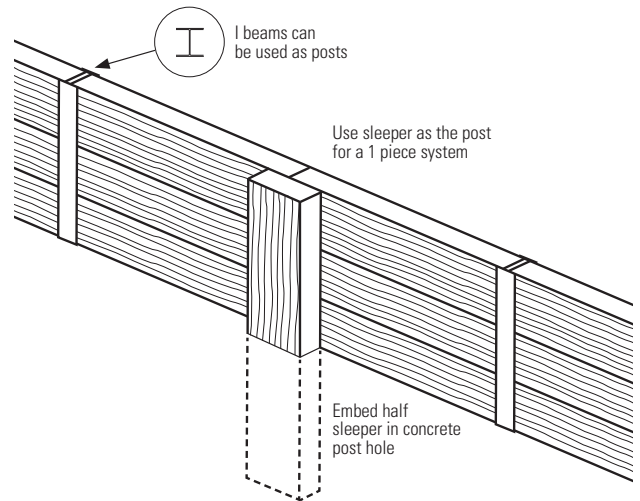
AVAILABLE SIZES



DIY Concrete Sleeper

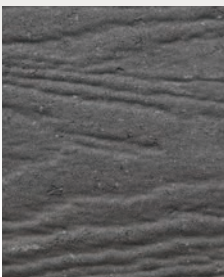
8.33 units per m<sup>2</sup>

Maximum non reinforced height 750mm(5 courses)



COLOUR OPTIONS

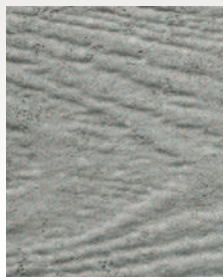
CHARCOAL



MOCHA



NATURAL



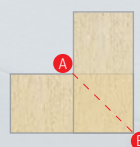
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# Natural Impressions® Duostone

Duostone is a designer garden wall ideal for edging and retaining walls. The unique block profile features a contrast of a natural stone-like texture and a contemporary, smooth surface with the random fusion resulting in finished walls that boast a modern architectural appeal.

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4. Repeat step 3 for the bottom cap.



## WATCH OUR DIY VIDEO

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RECOMMENDED FOR



Straight Walls



Curved Walls



Garden Beds



Steps



Set Back Walls

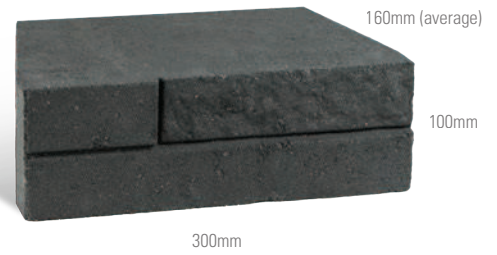


Garden Edging

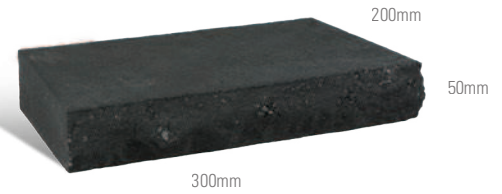


Natural Impressions® Duostone | Graphite

AVAILABLE SIZES



Natural Impressions® Duostone  
33.33 units per m<sup>2</sup>



Natural Impressions® Duostone Cap  
3.33 units per m<sup>2</sup>

Maximum non reinforced height 700mm plus cap (7 courses)



COLOUR OPTIONS

GRAPHITE



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RECOMMENDED FOR



Curved walls



Garden Steps



Garden Beds



Garden Edging



Engineered Wall



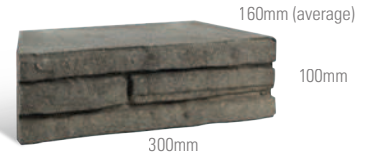
Set Back Walls

# Natural Impressions® Flagstone

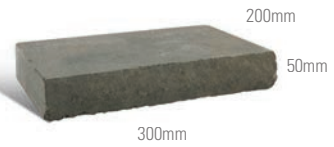


Natural Impressions® Flagstone | Sandstone

AVAILABLE SIZES

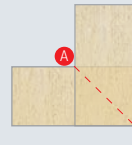


Natural Impressions® Flagstone Block  
33.3 units per m<sup>2</sup>



Natural Impressions® Flagstone Cap  
3.33 units per 1/m

Maximum non reinforced height 700mm+Cap (7 courses)



HOW TO CREATE MITRED CORNERS ON RETAINING WALL CAPS

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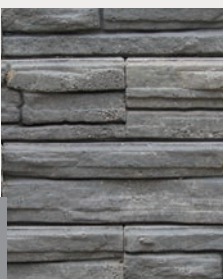
WATCH OUR DIY VIDEO

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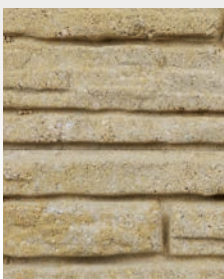


COLOUR OPTIONS

BLUESTONE



SANDSTONE



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# Hudson Stone



Hudson Stone | Oatmeal

## RECOMMENDED FOR



Curved Walls



Garden Edging



Set Back Walls



Straight Walls

## AVAILABLE SIZES



Hudson Stone  
5 units per 1/m

*Maximum non reinforced height 300mm (3 courses)*



## COLOUR OPTIONS

OATMEAL



SUNSTONE



CHARCOAL



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# Wallstone® 3



## RECOMMENDED FOR



Garden Steps



Garden Beds



Engineered Wall

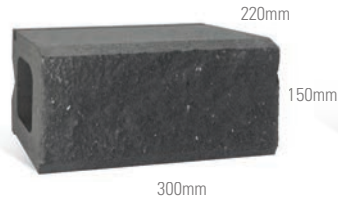


Vertical Walls

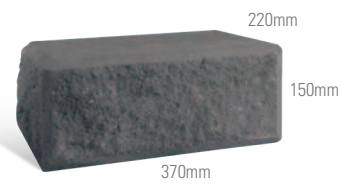


Set Back Walls

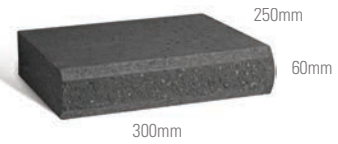
## AVAILABLE SIZES



Wallstone® 3 Standard Unit  
22.2 units per m<sup>2</sup>



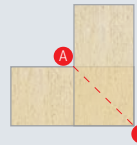
Wallstone® 3 Corner Unit  
Available in Left & Righthand corners



Wallstone® 3 Split Cap  
3.3 units per 1/m

Maximum non reinforced height 750mm+Cap (5 courses) [Set Back]  
Maximum non reinforced height 600mm+Cap (4 courses) [Vertical]

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## COLOUR OPTIONS

BONDI BLEND



OATMEAL



CHARCOAL



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# Windsor Stone



Windsor Stone | Charcoal

## RECOMMENDED FOR



Curved Walls



Garden Edge



Set Back Walls



Straight Wall

## AVAILABLE SIZES



Windsor Stone  
26 units per m<sup>2</sup>

*Maximum non reinforced height 1040mm (8 courses)*



## COLOUR OPTIONS

OATMEAL



SUNSTONE



CHARCOAL



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# Versaloc®



## RECOMMENDED FOR



Engineered Wall

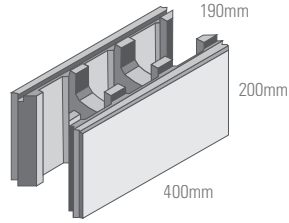


Vertical Walls

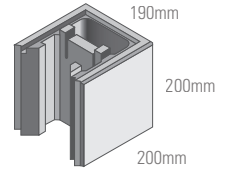


Garden Steps

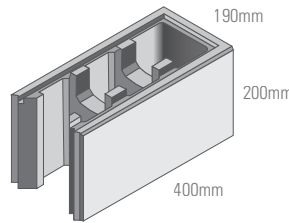
## AVAILABLE SIZES



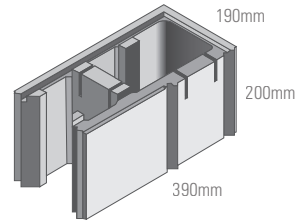
Versaloc® Standard Unit  
12.5 units per m<sup>2</sup>



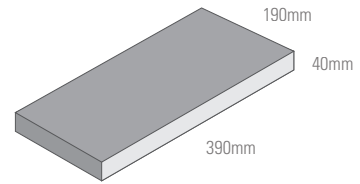
Versaloc® Half End Unit



Versaloc® End Unit

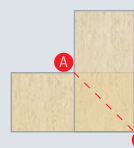


Versaloc® RH Corner Unit  
(LH corner also available)



50.31 Grey Capping  
2.56 units per l/m

Maximum non reinforced height 600mm+Cap (3 courses)



## HOW TO CREATE MITRED CORNERS ON RETAINING WALL CAPS

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3. Draw your line on the top cap from Point A to corner (Point B)
4. Repeat step 3 for the bottom cap.

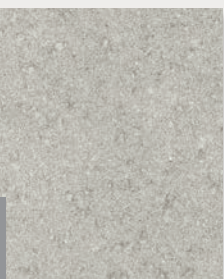


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## COLOUR OPTIONS

NATURAL



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Versaloc® | Natural



# Miniwall®



Miniwall® | Oatmeal

## RECOMMENDED FOR



Curved Walls



Garden Beds



Vertical Walls



Straight Walls

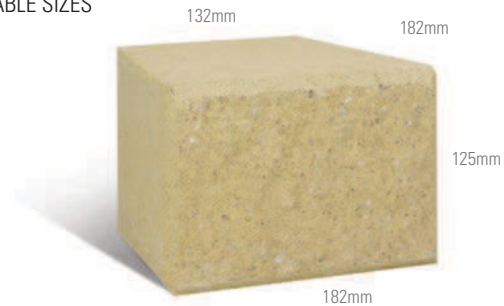


Circular Walls



Garden Edge

## AVAILABLE SIZES



Miniwall®

Solid Wall 50 units per m<sup>2</sup>

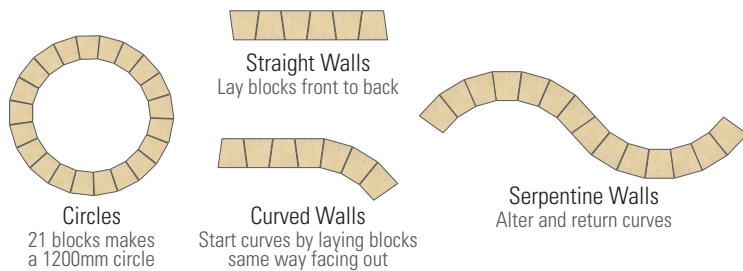
Semi Solid Wall 44 units per m<sup>2</sup>

Maximum non reinforced height 500mm (4 courses)

## FEATURES

- ✔ Split face texture on both sides for enhanced visual appeal
- ✔ Simply adhere blocks on top of one another with landscape grade adhesive
- ✔ Create curves serpentine, straight and even circular walls

## LAYING PATTERNS



Circles  
21 blocks makes  
a 1200mm circle

Curved Walls  
Start curves by laying blocks  
same way facing out

Serpentine Walls  
Alter and return curves



## COLOUR OPTIONS

OATMEAL



BONDI BLEND



CHARCOAL



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RECOMMENDED FOR



Curved walls



Garden Steps



Engineered Wall



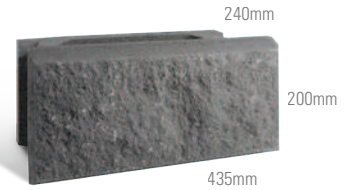
Vertical Walls

# Allan Block® Range

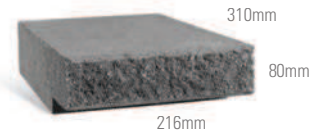


Allan Block® | Charcoal

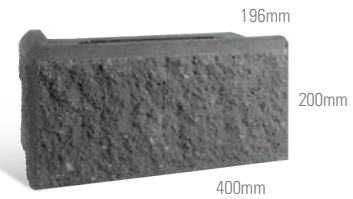
AVAILABLE SIZES



**AB™ Aussie Vertical**  
11.5 units per m<sup>2</sup>



**AB™ Cap Long**  
4.6 units per l/m



**AB™ Cornerstone Long Vertical**  
*Right corner shown*

*AB™ Aussie - Maximum non reinforced height 600mm+Cap (3 courses)  
AB™ Vertical - Maximum non reinforced height 800mm+Cap (4 courses)*



COLOUR OPTIONS

OATMEAL



CHARCOAL



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RECOMMENDED FOR

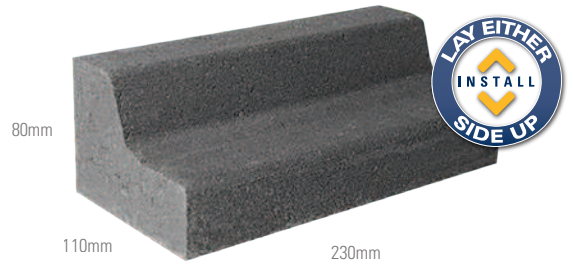


Garden Edging

# Lawn Edge



AVAILABLE SIZES



110mm 230mm

Lawn Edge  
4.35 units per 1/m  
*Sold in Full Pallets Only (280 units)*

FEATURES

- Separate lawn from garden bed
- Lay either side up for high edge or mowing strip
- Great DIY edge



COLOUR OPTIONS

OATMEAL



CHARCOAL



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# Torpedo™ Base Block



'Get your retaining wall base right the first time every time with Torpedo™'

*Jason Hodges | Landscaping Expert*



RECOMMENDED FOR

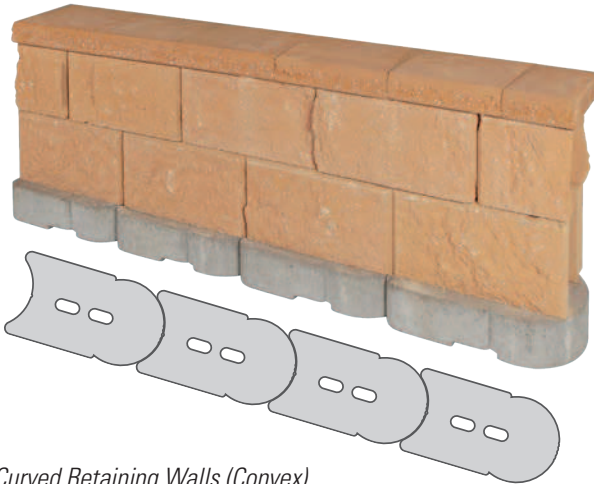


Retaining Wall base

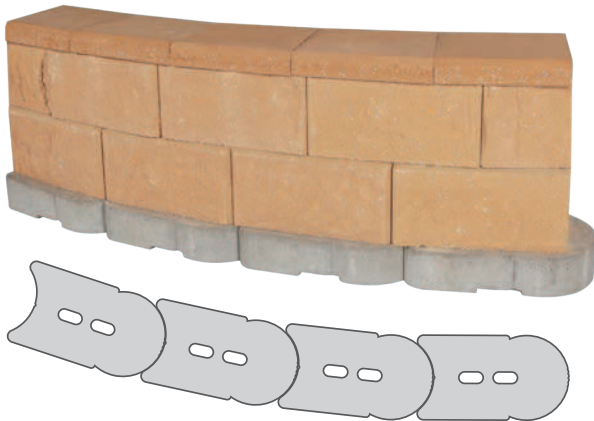
**USING TORPEDO™ BASE BLOCK IN YOUR PROJECT**

Torpedo™ Base Blocks sit under your retaining wall blocks and increase installation speed while providing a DIY friendly base.

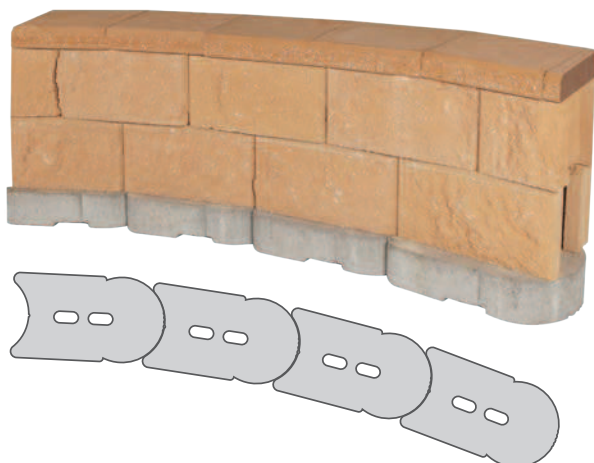
*Straight Retaining Walls*



*Curved Retaining Walls (Convex)*



*Curved Retaining Walls (Concave)*

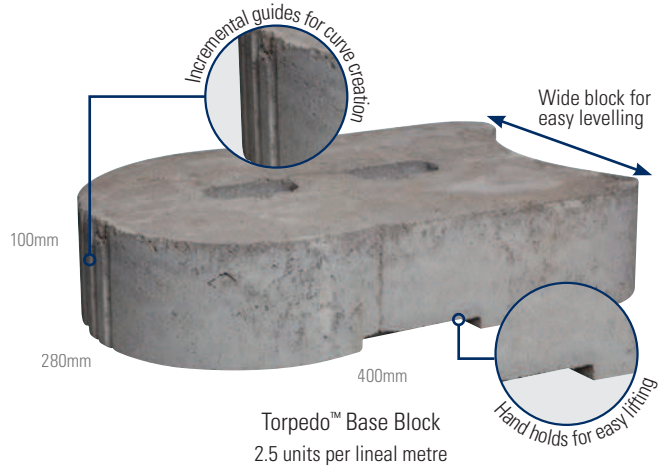


**COLOUR OPTIONS**

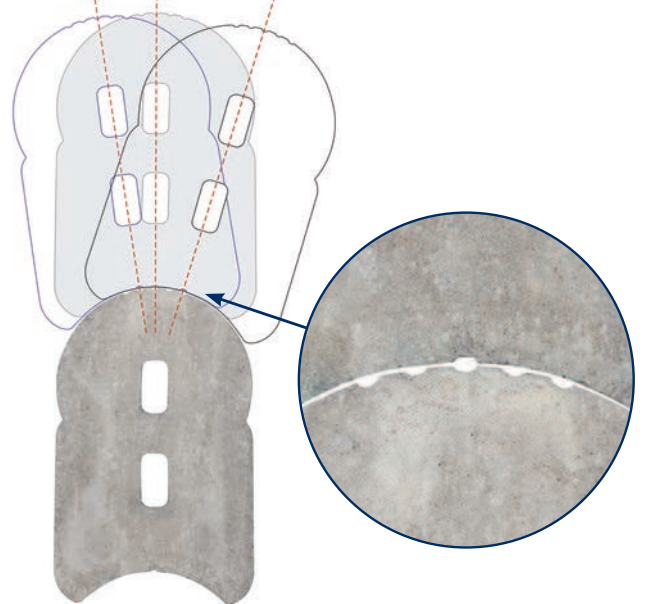


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DIMENSIONS



2.4m Radius Guide Centre Guide 1.2m Radius Guide

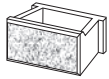
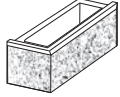

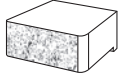

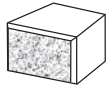
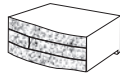


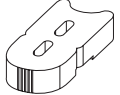
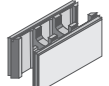
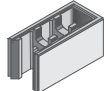

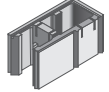
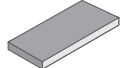


**PRODUCT FEATURES**

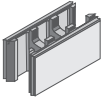
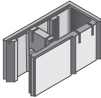
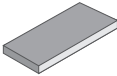
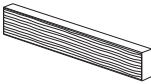
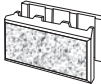
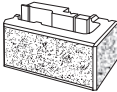


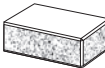


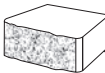
- ✔ Torpedo™ Base Blocks may replace the need for roadbase and compaction in unreinforced walls\*
- ✔ Saves money usually wasted burying the first course
- ✔ Torpedo™ base blocks reduce challenges with screeding and levelling
- ✔ Suitable for use under any segmental block wall system

\*The need for compaction and roadbase will be determined by the site soil conditions which must be determined prior to construction.

# RETAINING WALL RANGE

Products	Range	Size (mm) l x d x h	No. per m <sup>2</sup>	No. per tonne	No. per pallet	Colours
	Allan Block® Aussie Vertical	435 x 240 x 200	11.5	33	40	
	Allan Block® Cornerstone Long Vertical	400 x 196 x 200	-	41	50 (25L/25R)	Charcoal Oatmeal
	Allan Block® Cap Long	216 x 310 x 80	4.6 L/m	91	120	
	Hudson Stone	200 x 130 x 100	5 L/m	177	240	Oatmeal Sunstone Charcoal
	Lawn Edge	230 x 80 x 110	4.35 L/m	345	280	Charcoal Oatmeal
	Miniwall® Unit	H - 125 D - 182 FW - 182 BW - 132	Solid Wall 50 Semi Solid Wall 44	135	252	Charcoal Oatmeal Sunstone
	Natural Impressions® Flagstone Block	300 x 160 x 100	33.33	106	144	Bluestone Sandstone
	Natural Impressions® Duostone	300 x 160 x 100	33.33	106	144	Graphite
	Natural Impressions® Cap	300 x 200 x 50	3.33	154	216	Bluestone Sandstone Graphite
	Torpedo™ Base Block	400 x 280 x 100	2.5 L/m	47	72	Natural
	Versaloc®	400 x 190 x 200	12.5	60.6	90	
	Versaloc® Full End Unit	400 x 190 x 200	-	58.5	96 (48 of each on a pallet)	
	Versaloc® Half End Unit	200 x 190 x 200	-	111		Natural
	Versaloc® Corner Unit	390 x 190 x 200	-	65	72 (36 of each on a pallet)	
	Versaloc® Capping Unit (50.31)	390 x 190 x 40	-	142.9	216	

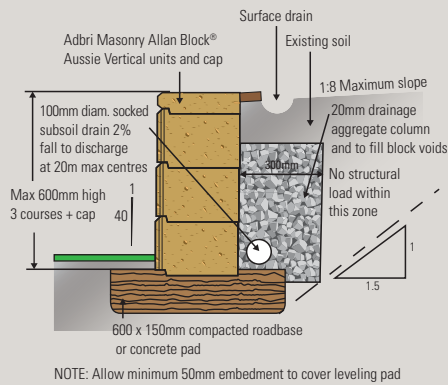
For maximum non reinforced wall heights please refer to cross sections on page 22-23

Products	Range	Size (mm) l x d x h	No. per m <sup>2</sup>	No. per tonne	No. per pallet	Colours
	Versasmooth® Standard Unit	400 x 190 x 200	12.5	60.6	90	
	Versasmooth® Corner unit	390 x 190 x 200	-	57.1	72	Charcoal Oatmeal Ivory Steel
	Versasmooth® Capping unit	390 x 190 x 40	2.5L/m	159.5	216	
	DIY Concrete Sleeper	800 x 77 x 150	8.33	50	56	Charcoal Mocha Natural
	Versawall® Standard Unit	400 x 215 x 200	12.5	47.6	60	
	Versawall® Corner Unit	390 x 215 x 200	-	47.6	60 (30L/30R)	Charcoal Oatmeal Sunstone
	Versawall® Cap	300 x 250 x 50	3.3L/m	119	144	
	Wallstone® 3 Standard Unit	300 x 220 x 150	22.22	66.7	105	
	Wallstone® 3 LH Corner Unit	370 x 220 x 150	-	39	60 (30L/30R)	Bondi Blend Charcoal Oatmeal
	Wallstone® 3 RH Corner Unit	370 x 220 x 150	-	39		
	Wallstone® 3 Split Cap	300 x 250 x 60	3.3 L/m	106	144	
	Windsor Stone	295 x 203 x 130	26	71.4	120	Oatmeal Sunstone Charcoal

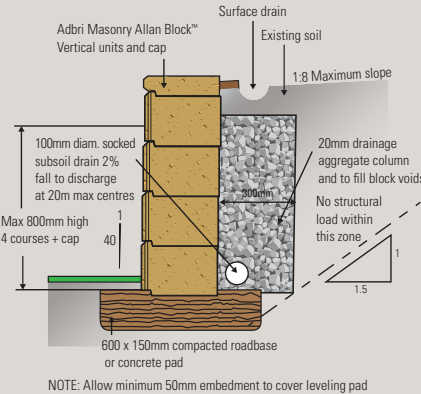
For maximum non reinforced wall heights please refer to cross sections on page 22-23

# TYPICAL CROSS SECTIONS

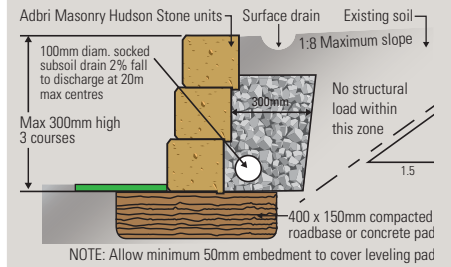
## ALLAN BLOCK® AUSSIE VERTICAL CROSS SECTION



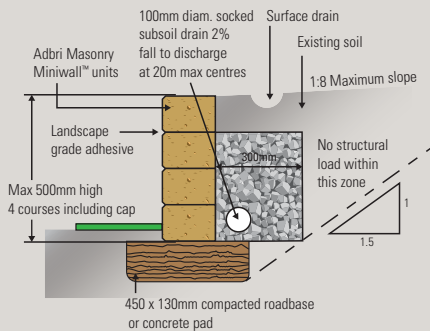
## ALLAN BLOCK® VERTICAL CROSS SECTION



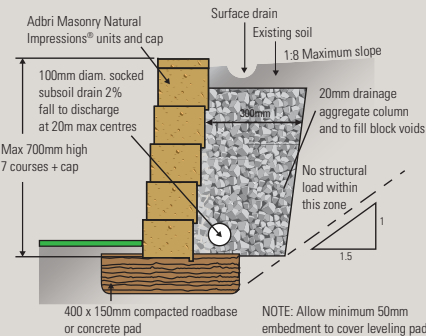
## HUDSON STONE CROSS SECTION



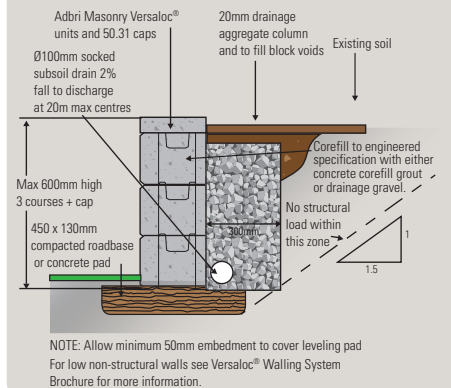
## MINIWALL® CROSS SECTION



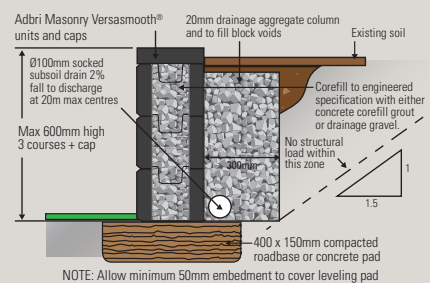
## NATURAL IMPRESSIONS® CROSS SECTION



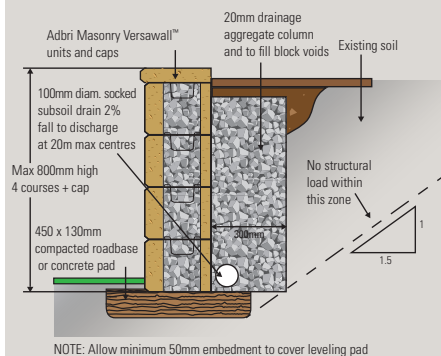
## VERSALOC® CROSS SECTION



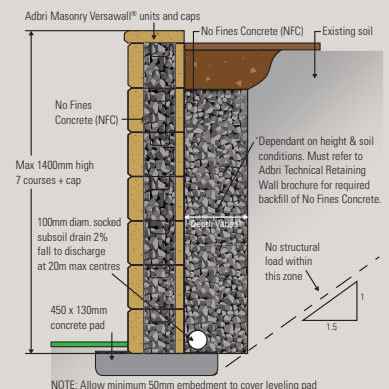
## VERSASMOOTH® CROSS SECTION



## VERSAWALL® CROSS SECTION

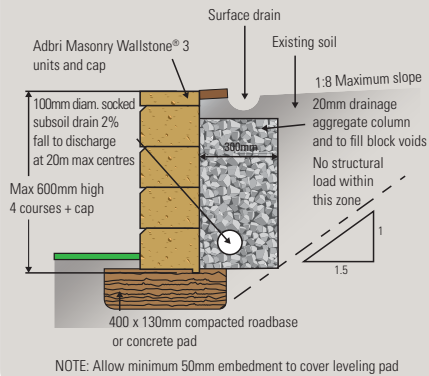


## VERSAWALL® NO FINES CONCRETE CROSS SECTION

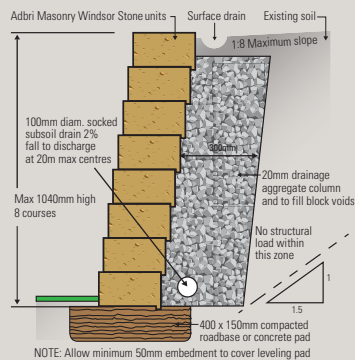




## WALLSTONE 3 CROSS SECTION



## WINDSOR STONE CROSS SECTION



## NOTES

- All cross sectional diagrams are not to scale
- All retaining walls are designed to CMAA document .MA53 (Segmental Concrete Gravity Retaining Walls Design and Construction Guide).
- All retaining walls shall comply with AS 4678 Structure Classification A.
- These diagrams are only applicable to retaining walls that incorporate an impermeable surface membrane and drainage system such that there can be no ingress of any water into the soil behind the retaining wall.
- These diagrams are applicable to cuts in insitu soils. The diagrams are not applicable to cohesive fill.
- All retaining walls are designed for an imposed surcharge load of 2.5 kPa. If imposed loads greater than 2.5 kPa are expected, these designs will not be appropriate.
- Levelling pad: a levelling pad may consist of compacted material (5% cement stabilised crushed rock) for wall heights up to 800mm. Walls over 800mm high must use 20MPa concrete for the levelling pad.
- This design information is a guide only. For walls exceeding the nominated heights as above, please refer to the Retaining Wall Systems Technical Brochure. Walls exceeding maximum heights shown will need to be designed and certified by a qualified engineer. Please consult your local council to confirm if you require council approval for your proposed retaining wall.

# DIY with Adbri

## 1 CHOOSE PRODUCT



Select a retaining wall product by browsing through [adbrimasonry.com.au](http://adbrimasonry.com.au)

## 2 CALCULATE QUANTITY



Calculate the amount of retaining wall blocks you require with our easy online calculator. Visit [adbrimasonry.com.au](http://adbrimasonry.com.au)



**Order 5% more for every retaining wall project to account for cuts and breakages**



# 3 Simple Steps ...

## 3 BUILD YOUR WALL



### STEP BY STEP GUIDES

For a complete step by step set of laying instructions including pdf download visit the brochure download section of our website at [adbrimasonry.com.au/homeowners/brochure-download](http://adbrimasonry.com.au/homeowners/brochure-download)

### DIY VIDEOS

Alternatively learn from the expert Jason Hodges using our project specific DIY videos at [youtube.com/adbrimasonryaus](http://youtube.com/adbrimasonryaus)



For DIY videos, hints and tips plus more inspirational ideas, visit [www.adbrimasonry.com.au](http://www.adbrimasonry.com.au)  
Let's do a project today!





BRICKS

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| PAVERS

| RETAINING WALLS



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Retaining Wall Landscape Solutions

NSW - March 2023

ABM2040

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