



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



Versastone®

Add depth, dimension and enviable aesthetics to your garden with the architecturally inspired shot blast face surface texture of Versastone® wall blocks.

RECOMMENDED FOR



Garden Steps

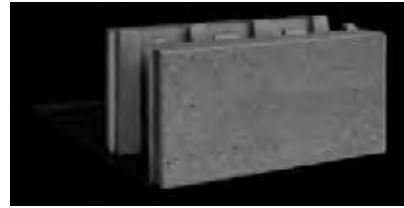


Engineered
Wall

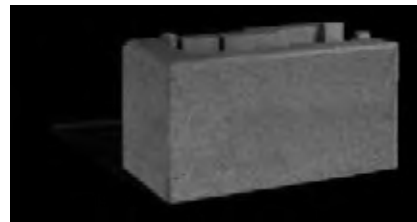


Vertical
Walls

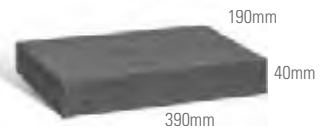
AVAILABLE SIZES



Versastone® Standard Unit
12.5 units per m²



Versastone® Corner Unit
Left and right corner available



Versastone® Capping Unit
2.5 units per l/m

*Maximum non reinforced height 600mm+Cap (3 courses)
or up to 1200mm with No Fines Concrete*



Versastone® | Charcoal



COLOUR OPTIONS

CHARCOAL



OATMEAL



Due to natural variations in raw materials used, colour tones 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.

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.



RECOMMENDED FOR



Garden Steps



Engineered
Wall



Vertical Walls

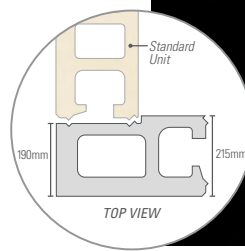
AVAILABLE SIZES



200mm

Versawall® Standard Unit

12.5 units per m²



200mm

Versawall® Corner Unit

Left and right corner available



250mm

50mm

300mm

Versawall® Cap

3.3 units per l/m

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



COLOUR OPTIONS

OATMEAL



SUNSTONE



CHARCOAL



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Versasmooth®

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



RECOMMENDED FOR



Garden Steps



Engineered
Wall



Vertical
Walls



Versasmooth® | Oatmeal

AVAILABLE



Versasmooth® Standard Unit
12.5 units per m²



Versasmooth® Corner Unit
Left and right corner available



50.31 Coloured Capping Unit
2.56 units per l/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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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.

RECOMMENDED FOR



Straight Walls



Curved Walls



Garden Beds



Steps



Set Back Walls



Garden Edging

AVAILABLE SIZES



(average)

100mm

300mm

Natural Impressions® Duostone
33.33 units per m²



33.33 units per m²

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



Natural Impressions® Duostone | Graphite

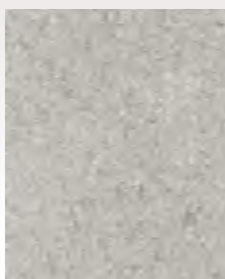


COLOUR OPTIONS

GRAPHITE



ASH



Due to natural variations in raw materials used, colour tones 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.

RECOMMENDED FOR



Curved walls



Garden Steps



Garden Beds



Garden Edging



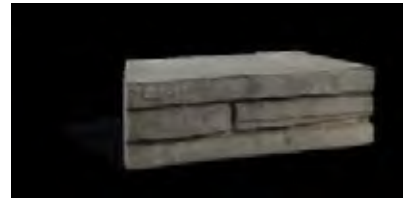
Engineered
Wall



Set Back
Walls

Natural Impressions® Flagstone

AVAILABLE SIZES



(average)

100mm

Natural Impressions® Flagstone Block
33.3 units per m²



Natural Impressions® Flagstone Cap
3.33 units per l/m

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



Natural Impressions® Flagstone | Sandstone



COLOUR OPTIONS

BLUESTONE



SANDSTONE



Due to natural variations in raw materials used, colour tones 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.

Hudson Stone



Hudson Stone | Oatmeal

RECOMMENDED FOR



Curved Walls



Garden Edge



Set Back Walls



Straight Walls

AVAILABLE SIZES



Hudson Stone

5 units per l/m

Maximum non reinforced height 300mm (3 courses)



COLOUR OPTIONS

OATMEAL



SUNSTONE



CHARCOAL



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RECOMMENDED FOR



Curved walls



Garden Edge



Garden Steps



Straight Wall

Manor Stone



Manor Stone | Oatmeal

AVAILABLE SIZES



Manor Stone
34 units per m²

Maximum non reinforced height 600mm (6 courses)



COLOUR OPTIONS

OATMEAL



CHARCOAL



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RECOMMENDED FOR



Freestanding Walls



Retaining Walls



Fences



Bench Seats



Piers



Fire Pits



Garden Edging

Tango Block



Tango Block | Oatmeal

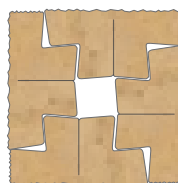
AVAILABLE SIZES



Tango
3.33 units per l/m

Maximum non reinforced Wall height 600mm (6 courses)
Maximum non reinforced Pier height 800mm (8 courses)

How to Lay Tango Blocks



Piers



Retaining walls



Double sided freestanding / seating walls

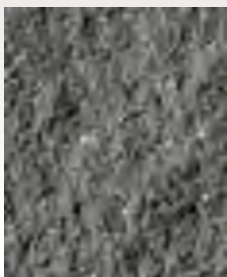


COLOUR OPTIONS

OATMEAL



CHARCOAL



Due to natural variations in raw materials used, colour tones 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.

Wallstone® 3



RECOMMENDED FOR



Garden Steps



Garden Beds



Engineered
Wall



Vertical Walls



Set Back
Walls

AVAILABLE SIZES



Wallstone® 3 Standard
22.2 units per m²



Wallstone® 3 Corner Unit
Available in Left & Righthand corners



Wallstone® 3 Split Cap
3.3 units per l/m

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



COLOUR OPTIONS

BONDI BLEND



OATMEAL



CHARCOAL



Due to natural variations in raw materials used, colour tones 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.

Windsor Stone



Windsor Stone | Charcoal

RECOMMENDED FOR



Curved Walls



Garden Edge



Set Back Walls



Straight Wall

AVAILABLE SIZES



Windsor Stone
26 units per m²

Maximum non reinforced height 1040mm (8 courses)



COLOUR OPTIONS

OATMEAL



SUNSTONE



CHARCOAL



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RECOMMENDED FOR



Curved walls



Garden Steps



Engineered
Wall



Set Back
Walls



Straight
Walls

Meadow Stone

AVAILABLE SIZES



Meadow Stone 150mm Unit*
16.6 pairs per m²

Meadow Stone 250mm Unit*
16.6 pairs per m²

**150mm and 250mm units sold as a pair*



Meadow Stone 400mm Unit
16.6 units per m²



Meadow Stone Cap
3.33 units per l/m

Maximum non reinforced height 750mm+Cap (5 courses)



Meadow Stone | Bondi Sand



COLOUR OPTIONS

BONDI SAND



BLUE MOUNTAIN



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

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Versaloc®



Versaloc® | Natural

COLOUR OPTIONS

NATURAL



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RECOMMENDED FOR



Engineered Wall

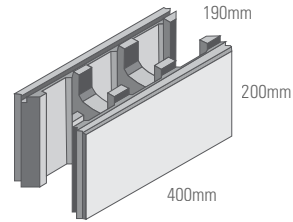


Vertical Walls

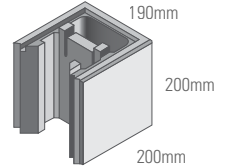


Garden Steps

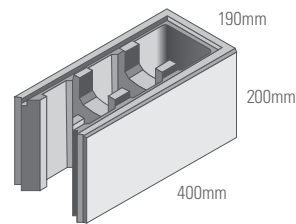
AVAILABLE SIZES



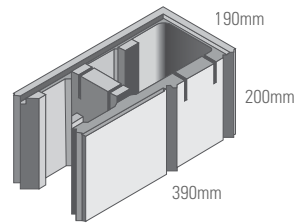
Versaloc® Standard Unit
12.5 units per m²



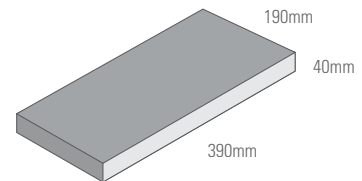
Versaloc® Half End Unit



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)



RECOMMENDED FOR



Curved walls



Garden Steps



Engineered Wall



Vertical Walls

Allan Block® Range



Allan Block® | Bondi Blend

AVAILABLE



300mm

AB™ Aussie Vertical

11.5 units per m²



300mm

300mm

AB™ Vertical

11.5 units per m²



310mm

80mm

216mm

AB™ Cap Long

4.6 units per l/m



200mm

AB™ Cornerstone Long Vertical

Right corner shown

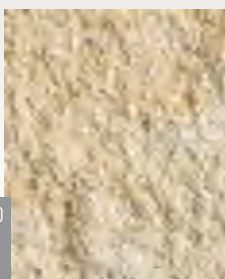
AB™ Aussie - Maximum non reinforced height 600mm+Cap (3 courses)

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



COLOUR OPTIONS

BONDI BLEND



OATMEAL



CHARCOAL



BRUSHWOOD*



Due to natural variations in raw materials used, colour tones 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.

*Available for AB™ Aussie Vertical only

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 m²

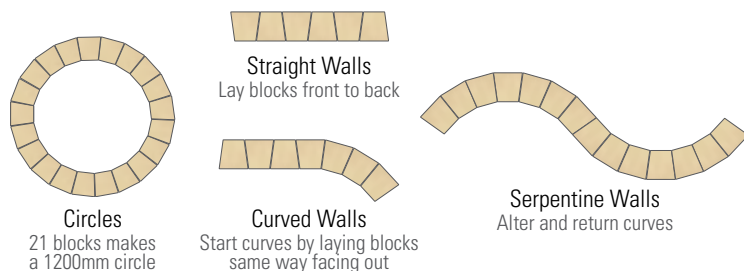
Semi Solid Wall 44 units per m²

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



COLOUR OPTIONS

OATMEAL



BONDI BLEND



CHARCOAL



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RECOMMENDED FOR



Garden Edging

Lawn Edge



AVAILABLE SIZES

80mm



Lawn Edge

4.35 units per l/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



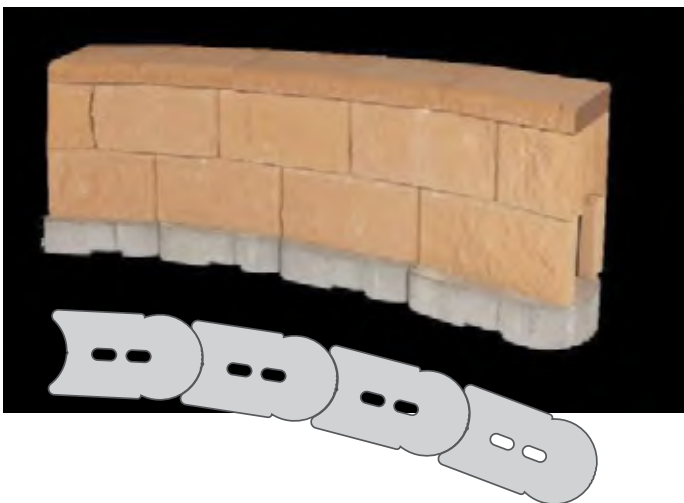
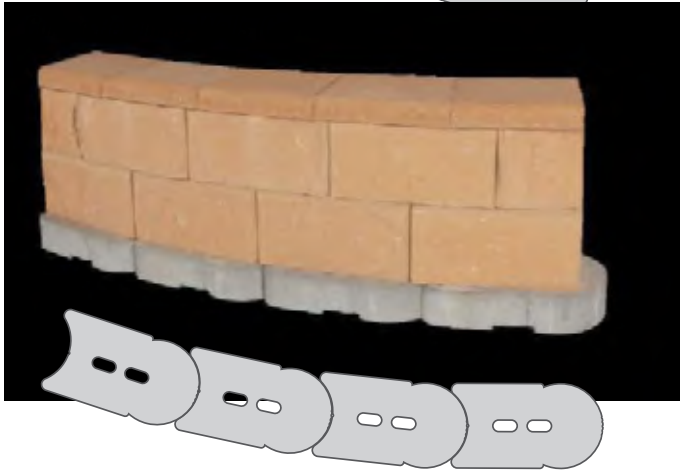
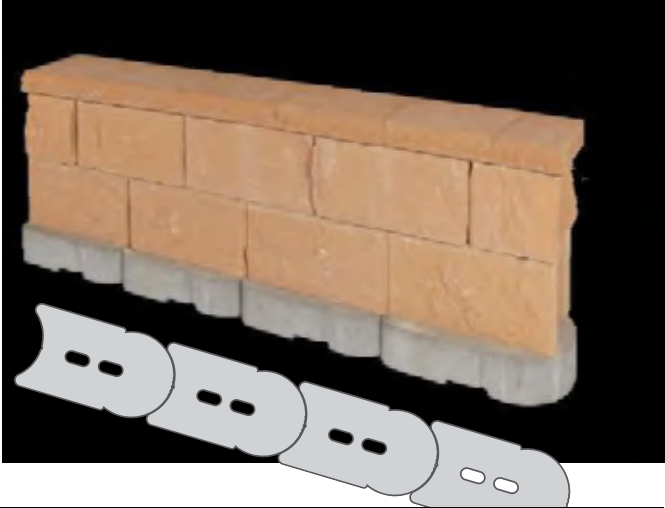
RECOMMENDED FOR



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.



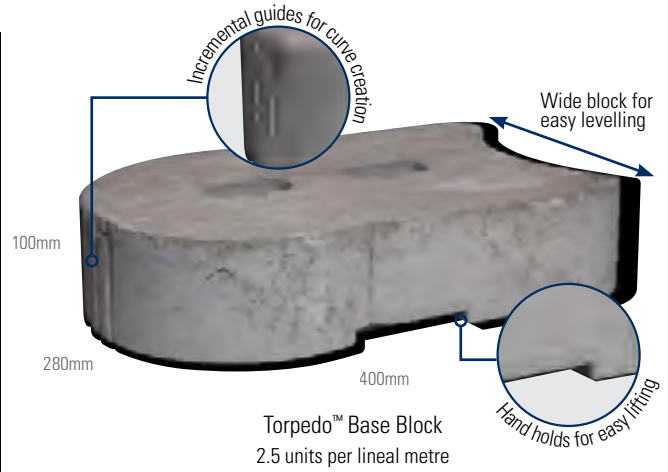
COLOUR OPTIONS

NATURAL

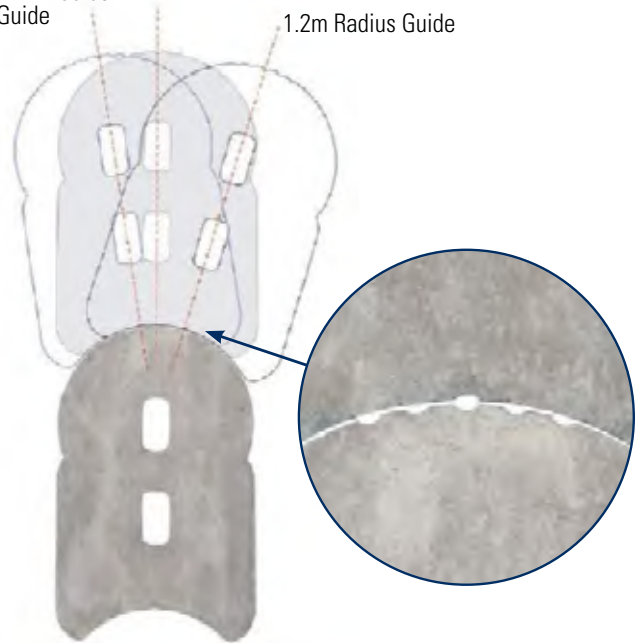


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DIMENSIONS



2.4m Radius Guide
Centre Guide
1.2m Radius Guide

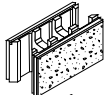
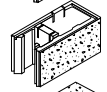

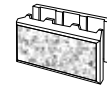
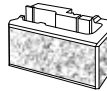



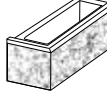
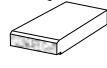
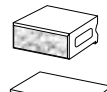
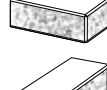
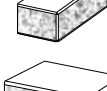



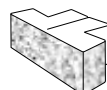
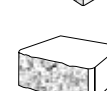

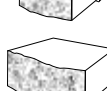




PRODUCT FEATURES

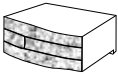


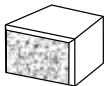




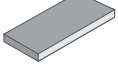


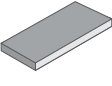

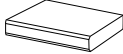
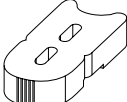
- ✓ Torpedo™ Base Blocks may replace the need for roadbase and compaction in unreinforced walls*
- ✓ Saves money usually wasted burying the first course
- ✓ Torpedo™ base blocks reduce challenges with screeding and levelling
- ✓ Suitable for use under any segmental block wall system

*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 ²	No. per tonne	No. per pallet	Colours
	Versastone® Standard Unit	400 x 190 x 200	12.5	64.3	90	Charcoal Oatmeal
	Versastone® Corner Unit	390 x 190 x 200	-	57.1	72	
	Versastone® Capping Unit	390 x 190 x 40	2.5 L/m	159.5	216	
	Versawall® Standard Unit	400 x 215 x 200	12.5	47.6	60	Charcoal Oatmeal Sunstone
	Versawall® Corner Unit	390 x 215 x 200	-	47.6	60 (30L/30R)	
	Versawall® Cap	300 x 250 x 50	3.3L/m	119	144	
	Allan Block® Aussie Vertical	435 x 240 x 200	11.5	33	40	Bondi Blend Charcoal Oatmeal Brushwood (AB® Aussie Vertical only)
	Allan Block® Vertical	435 x 305 x 200	11.5	30	40	
	Allan Block® Cornerstone Long Vertical	400 x 196 x 200	-	41	50 (25L/25R)	
	Allan Block® Cap Long	216 x 310 x 80	4.6 L/m	91	120	
	Wallstone® 3 Standard Unit	300 x 220 x 150	22.22	66.7	105	Bondi Blend Charcoal Oatmeal
	Wallstone® 3 LH Corner Unit	370 x 220 x 150	-	39	60 (30L/30R)	
	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	Charcoal Oatmeal
	Hudson Stone	200 x 130 x 100	5 L/m	177	240	Oatmeal Sunstone Charcoal
	Manor Stone	295 x 180 x 100	33.33	90	120	Oatmeal Charcoal
	Tango Block	300 x 150 x 100	3.33 L/m single sided wall	149	192	Oatmeal Charcoal
	Windsor Stone	295 x 203 x 130	26	71.4	120	Oatmeal Sunstone Charcoal
	Meadow Stone	150 x 200 x 150	16.6 pairs	43.5 pairs	60 pairs	Blue Mountain Bondi Sand
	(The Meadow Stone 150 and 250 units are sold as a pair)	250 x 200 x 150				
	Note: You will need 8.3 pairs plus 8.3 full units to make 1 square metre of Meadow Stone	400 x 200 x 150	16.6	48	60	
	Meadow Stone Cap	300 x 200 x 60	3.33 L/m	143	168	

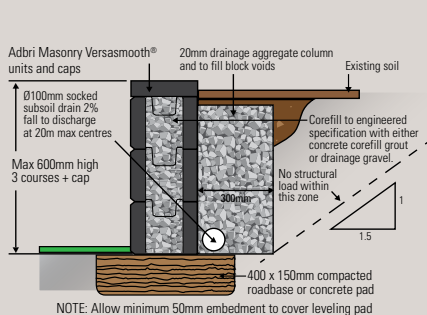
For maximum non reinforced wall heights please refer to cross sections on page 30-31

Products	Range	Size (mm) l x d x h	No. per m ²	No. per tonne	No. per pallet	Colours
	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 Ash
	Natural Impressions® Cap	300 x 200 x 50	3.33	154	216	Bluestone Sandstone Graphite Ash
	Miniwall® Unit	H - 125 D - 182 FW - 182 BW - 132	Solid Wall 50 Semi Solid Wall 44	135	252	Charcoal Oatmeal Sunstone
	Versaloc®	400 x 190 x 200	12.5	60.6	90	Natural
	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		
	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	
	Versasmooth® Standard Unit	400 x 190 x 200	12.5	60.6	90	Charcoal Oatmeal Ivory Steel
	Versasmooth® Corner unit	390 x 190 x 200	-	57.1	72	
	Versasmooth® Capping unit	390 x 190 x 40	2.5L/m	159.5	216	
	Lawn Edge	230 x 80 x 110	4.35 L/m	345	280	Charcoal Oatmeal
	Universal Cap	300 x 240 x 60	3.3 L/m	112.4	144	Charcoal Oatmeal Sunstone
	Torpedo™ Base Block	400 x 280 x 100	2.5 L/m	47	72	Natural

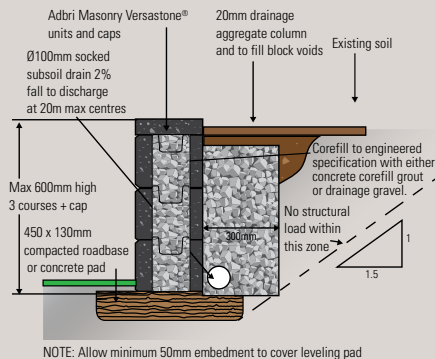
For maximum non reinforced wall heights please refer to cross sections on page 30-31

TYPICAL CROSS SECTIONS

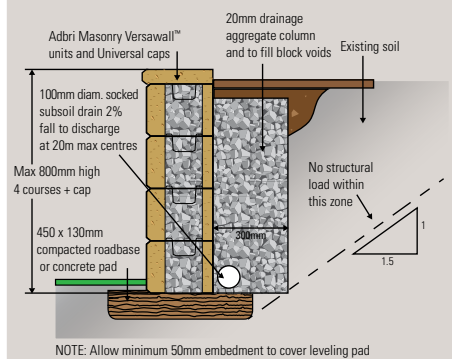
VERSASMOOTH® CROSS SECTION



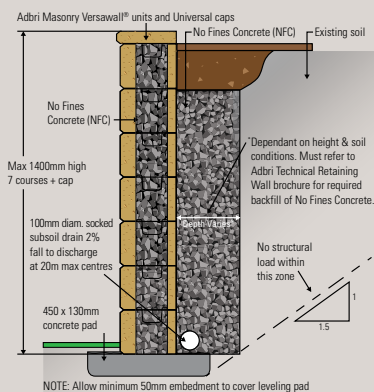
VERASTONE® CROSS SECTION



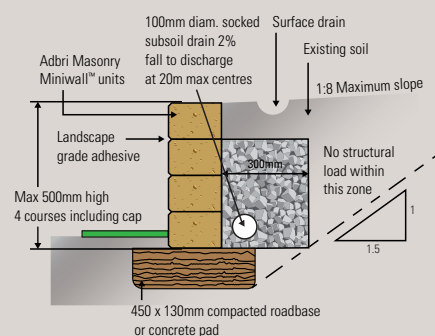
VERSAWALL® CROSS SECTION



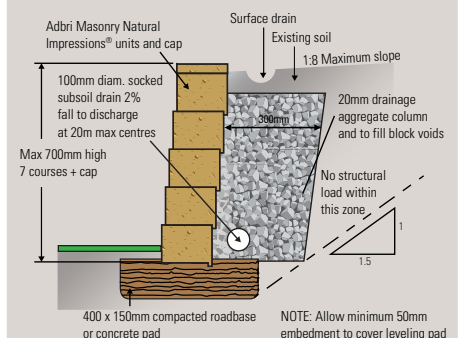
VERSAWALL® NO FINES CONCRETE CROSS SECTION



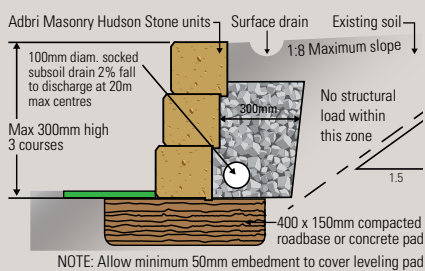
MINIWALL® CROSS SECTION



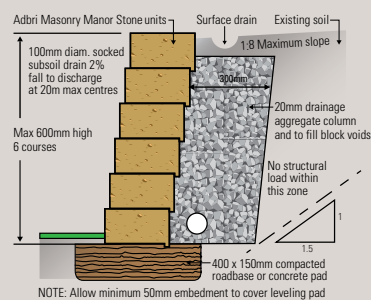
NATURAL IMPRESSIONS® CROSS SECTION



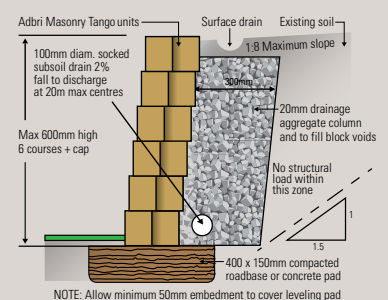
HUDSON STONE CROSS SECTION



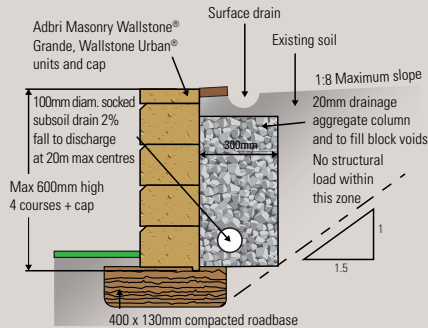
MANOR STONE CROSS SECTION



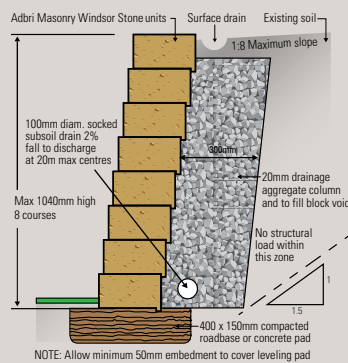
TANGO BLOCK CROSS SECTION



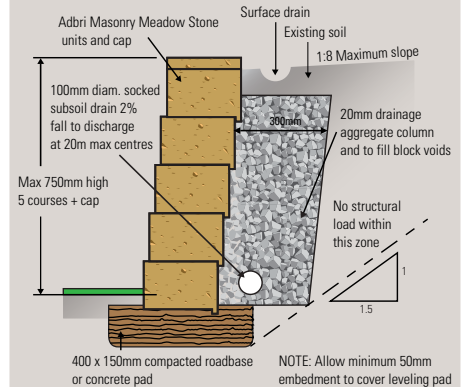
WALLSTONE 3 CROSS SECTION



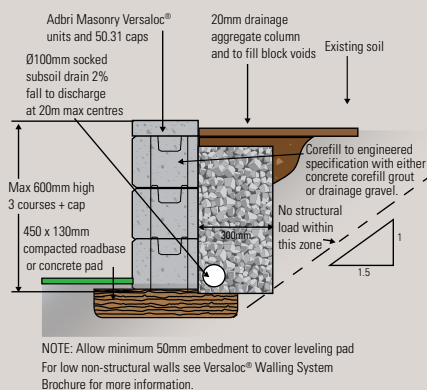
WINDSOR STONE CROSS SECTION



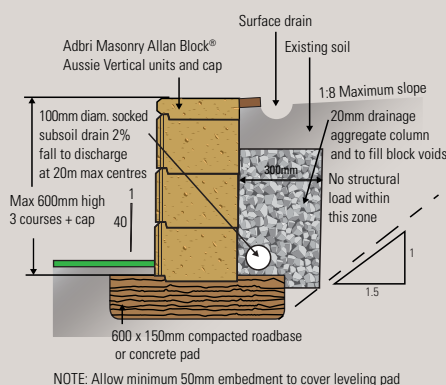
MEADOW STONE CROSS SECTION



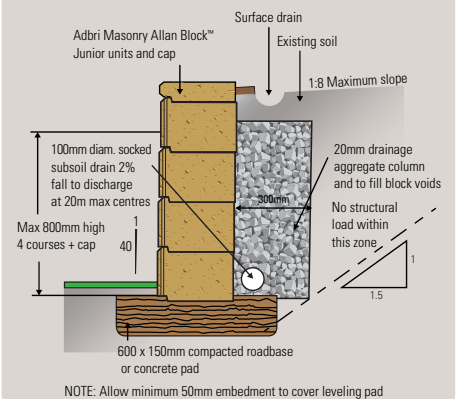
VERSALOC® CROSS SECTION



ALLAN BLOCK® AUSSIE VERTICAL CROSS SECTION



ALLAN BLOCK® VERTICAL 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.

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1

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2

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3 Simple Steps ...

3 BUILD YOUR WALL



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Retaining Wall Landscape Solutions

NSW - August 2019

ABM2040

Adbri Masonry Pty Ltd

ABN: 31 009 687 521

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