

# Product Guide

SQLD / NSW



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The National Masonry range



## Product Disclaimer

Concrete Blocks, Bricks, Pavers and Retaining Wall products supplied by National Masonry are manufactured using raw materials that inherently vary in nature. Whilst all effort is made to produce uniformity in our range of products, variation in colour, texture, and finish can be present. The dimensional characteristics of all products are nominal and variations in length, height, and width can occur from unit to unit which needs to be taken into consideration when installing these products.

## About National Masonry

National Masonry has quickly established itself as the industry leader with exceptional product quality and outstanding customer service with a clear vision of customers for life. We are obsessed with ensuring every customer has a memorable experience with us and to leave you with no doubt that you have made the right choice.

National Masonry, the new benchmark in masonry.



## Contents

### Paving

Catering to every design scheme, National Masonry's paving collection will give your outdoor area the stylish, individual touch it's been waiting for. Whether you're after a complete revamp to create a more contemporary space or going back to basics with a more traditional feel, National Masonry's range will inspire and stimulate ideas to make your outdoor design dream a reality. Available in a range of sizes, colours and finishes, the possibilities are endless with National Masonry pavers.

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### Walling

When it comes to walls, National Masonry's range delivers a mix of style, structure and functionality. From beautiful garden edges to decorative walls, National Masonry's variety of textured surfaces, patterns and colours can give your next project everything from a light airbrush to an extreme makeover.

Overflowing with inspiration and creative ideas, this brochure will take you on a journey through what your outdoor space could look like – with a little touch of National Masonry.

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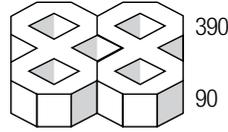
# Grasspaver

**NEW**

If you have an area that requires detailed water management and drainage, needs to withstand heavy traffic and abuse, then grass pavers are an ideal choice.



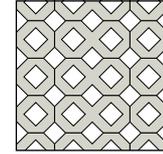
**Recommended for:**  
Pedestrian (paths, patios, courtyards) and domestic driveways.



390

**Grasspaver**

Units per sq metre: 6.57  
Units per Pallet: 81  
Weight per unit (Kg): 17.0



**Patterns**



Natural

# Urbanpave™

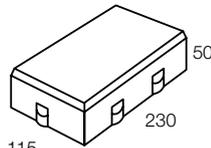
Standard small format pavers are a practical, affordable, and versatile choice offering easy installation and maintenance.



**Recommended for:**  
Pedestrian (paths, patios, courtyards) and domestic driveways.



**Now available in 2 colours.**



115

**Urbanpave™**

Units per sq metre: 37  
Units per Pallet: 500  
Weight per unit (Kg): 3

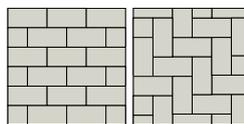


Charcoal



Sand

**Patterns**



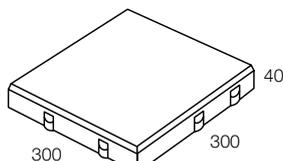
Stretcher Bond

Herringbone

# Esplanade™

This large, square format paving range features simple, clean lines to enhance everyday living.

**Recommended for:**  
Pedestrian (paths, patios, courtyards).

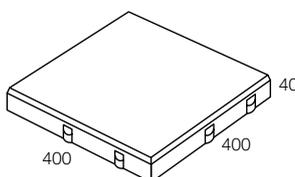


## 300 Standard

Colours available:

- Charcoal
- Sand

Units per sq metre: 11.1  
Units per Pallet: 192  
Weight per unit (Kg): 7.7



## 400 Standard

Units per sq metre: 6.25  
Units per Pallet: 108  
Weight per unit (Kg): 13.5



Charcoal



Ginger



Sand



Terracotta



Platinum

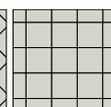


Cocoa

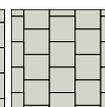
## Patterns



Stacked bond 45°



Stacked bond 90°

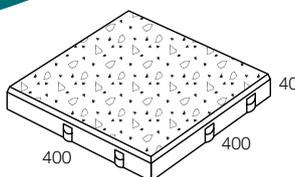


Stretcher Bond

# Esplanade™ Premium

This large format, lightly shot-blast paver, has an exposed aggregate finish. Lightly textured for supreme character, Esplanade® Premium sits perfectly at home in a rustic or contemporary setting.

**Recommended for:**  
Pedestrian (paths, patios, courtyards).



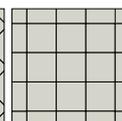
## 400 Premium

Units per sq metre: 6.25  
Units per Pallet: 108  
Weight per unit (Kg): 13.5

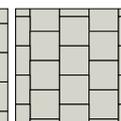
## Patterns



Stacked bond 45°



Stacked bond 90°



Stretcher Bond



Charcoal



Ginger



Sand



Terracotta



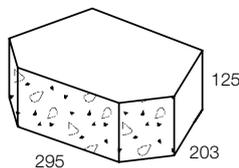
Platinum



Cocoa

# Gardenwall®

A versatile wall with a straight and curved splitface suitable for both straight and curved walls, this is a simple system to install where one block fits all.

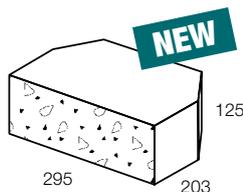
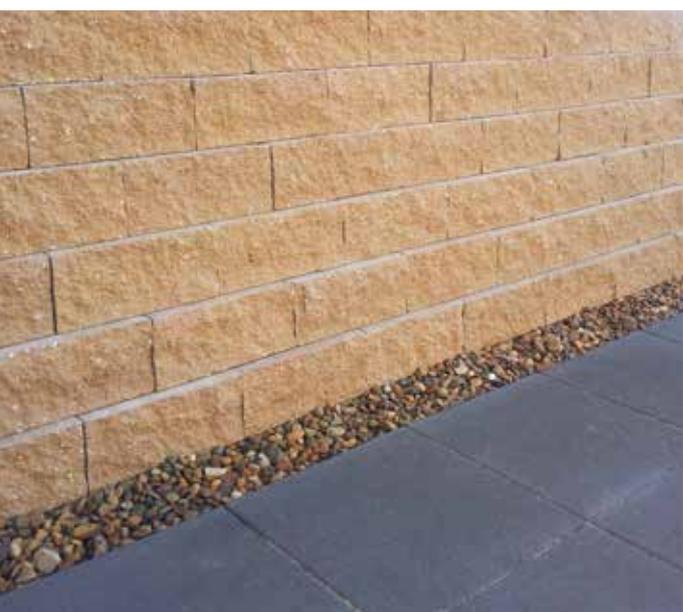


### Standard unit

Colours available:

- Charcoal
- Light Sands
- Sand
- Ginger

Units per sq metre: 26.9  
 Units per Pallet: 120  
 Weight per unit (Kg): 11.4

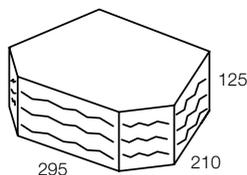


### Flushface unit

Colours available:

- Charcoal
- Light Sands
- Sand
- Ginger

Units per sq metre: 26.9  
 Units per Pallet: 120  
 Weight per unit (Kg): 11.4



### Soft Split unit

Colours available:

- Cocoa
- Paperbark
- Charcoal
- Portstone

Units per sq metre: 26.9  
 Units per Pallet: 100  
 Weight per unit (Kg): 14.2

### Recommended for:

- Max. wall height 1000mm
- Straight walls ✓
- Curved walls ✓
- (standard & soft split only)



Sand



Portstone



Light Sands



Cocoa



Charcoal



Paperbark



Ginger

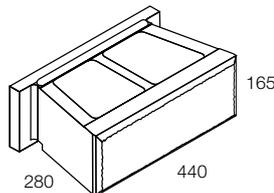
# Modernstone™

This refined range with a sharp splitface is ideal for creating smart contemporary lines. Practical and easy to install, this highly adaptable range can be used for curves, corners and steps.



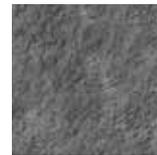
## Recommended for:

- Max. wall height 1050mm (with cap)
- Straight walls ✓
- Curved walls ✓
- Corners ✓
- Steps ✓



### Standard unit

Units per sq metre: 13.77  
 Units per Pallet: 40  
 Weight per unit (Kg): 26.5



Charcoal



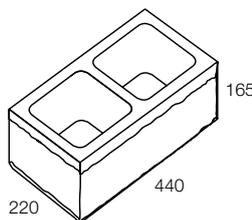
Portstone



Light Sands

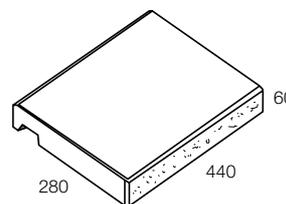


Cafe Creme



### Corner unit

Units per sq metre: -  
 Units per Pallet: 48  
 Weight per unit (Kg): 20.0



### Classic Cap

Units per lineal metre: 2.27  
 Units per Pallet: 100  
 Weight per unit (Kg): 16.5

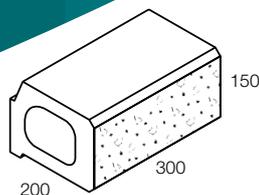
# Linearwall™

Linearwall™ ticks all the right boxes – it's lightweight, cost-effective and hassle-free.



## Recommended for

- Max. wall height 600mm
- Straight walls ✓
- Corner ✓
- Steps ✓



### Standard unit

Units per sq metre: 22.20  
 Units per Pallet: 90  
 Weight per unit (Kg): 13.25



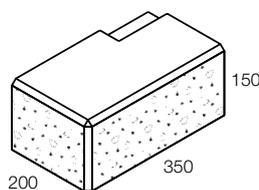
Charcoal



Fudge

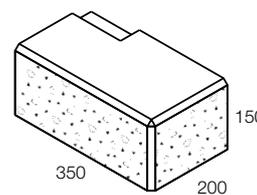


Nougat



### Right corner

Units per sq metre: -  
 Units per Pallet: 60  
 Weight per unit (Kg): 22.2



### Left corner

Units per sq metre: -  
 Units per Pallet: 60  
 Weight per unit (Kg): 22.2

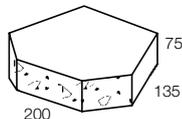
# Sedona Stone™

Sedona Stone™ has the natural look of quarried stone and its earthy colours blend with any landscape. Sedona Stone™ is lightweight and easy to handle. No special tools are required. It's secure, interlocking design makes installation easy.

**NEW**

## Recommended for

- Max. wall height 300mm
- Straight walls ✓
- Curved walls ✓
- Garden edging ✓
- Corner ✓



Charcoal

## Standard unit

Units per lineal metre: 5  
Units per Pallet: 384  
Weight per unit (Kg): 3.4



# How to choose pavers



## Step 1

Look through this brochure to gather ideas on the look you want to achieve.

## Step 2

Use the table below find the paver that is recommended for your particular need.

## Step 3

Measure your area to be paved to determine quantity of pavers required. This area is simply calculated by length (m) x width (m) = area (m<sup>2</sup>) for basic square or rectangular spaces (m= metres).



For odd shapes, break your area into sections.



For triangular areas:



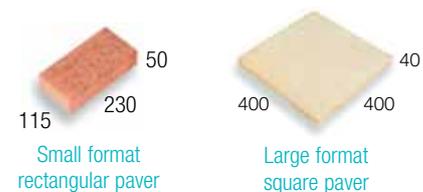
$$1/2 \times \text{base (m)} \times \text{height (m)} = \text{area (m}^2\text{)}$$

e.g.  $1/2 \times 4\text{m} \times 3\text{m} = 6\text{m}^2$

(Allow up to 10% extra pavers for wastage such as cuts and breakages.)

## Step 4

Select the paver size you prefer. Large format pavers are larger than or equal to 300mm (length) x 300mm (width) and small format pavers are less than 300mm x 300mm.



Your choice will depend on the look you wish to achieve as per Step 1.

## Step 5

Select a colour that complements your area, home and surroundings.



## Step 6

Choose to D.I.Y. or hire a professional contractor. Refer to page 9 for a basic guide to laying pavers.

This is general information and should be viewed as a guide only National Masonry urges you to ensure that you obtain appropriate professional advice tailored to your circumstances before commencing paving projects.

## General Tips

### Tip 1

Select pavers that match internal floor coverings to ensure the transition from indoor out is subtle and blends with your decorating style.

### Tip 2

Combining large and small format pavers can add textural qualities for a more distinctive space.

### Tip 3

Paving joint mortar saves time, effort and water and is ideal for applying a permanent, rigid joint more than 5mm wide and a minimum 25mm deep on all types of paving.

### Tip 4

When paving a small space keep the design simple and use a neutral coloured, large format paver to create a sense of space.

### Tip 5

National Masonry recommends that concrete pavers be sealed with a quality penetrating sealer following installation.

# Basic guide to laying pavers

Find detailed information and download more guides at our website - [www.nationalmasonry.com.au](http://www.nationalmasonry.com.au)



## Prepare the site

Excavate the area to be paved to allow for the base layer (generally 100 -150mm thick of road base), bedding Sand (generally 30mm thick coarse washed river Sand) and the paver thickness. Establish falls and level using a spirit level on the screed board. Spread the road base to an even thickness and compact using a mechanical plate compactor.



## Add the bedding Sand

Place screed rails on road base and spread bedding Sand roughly between and over the rails – keep the rails. The easiest way to screed Sand is to use two guides (screed rails) and a screeding board (e.g. a flat piece of timber). Establish bedding tracks with the screeding board.



## Level the surface

Bed the screed rails into the bedding Sand. Drag the screeding board in a sawing motion from side to side across the rails to create a firm, flat laying surface. Remove the rails, fill in the voids with bedding Sand and trowel smooth.



## Set the lines

Set string lines at right angles to establish paving lines. These will help keep the joints straight for that truly professional look.



## Begin the laying

Start laying along the longest straight edge of the designated area and lay whole pavers first. Leave 3-5mm between pavers to allow for jointing Sand (unless the pavers have nibs).



## Cut pavers

Cut and position part-pavers if the job requires them. Edge restraints prevent the pavers from moving.



## Fill the joints

Sweep jointing Sand over the finished dry paving, ensuring that all joints are full.

## Sand filled joints:

Pavers 50mm thick or greater surface to be plate compacted. Always remember to use a rubber mat or carpet beneath the plate compactor to prevent damage to the pavers. Pavers 40mm thick or less – surface to be hand compacted with a rubber mallet.

## Caring for your pavers - prevention is better than cure

- Sweep regularly with a stiff bristled broom to keep pavers free from debris.
- For maximum protection we suggest pavers are sealed after installation with a penetrating sealer. Please check with a reputable sealing company for advice.
- Seal pavers with a penetrating sealer before grouting to avoid grout smears.
- Re-seal pavers as required paying extra attention to heavy wear areas and salt-water locations.
- During construction, cover the paved areas to protect against damage.
- Protect your pavers against possible staining from mortar, oxides, cement and rust.
- Do not use acid to clean pavers.
- Do not use high pressure cleaning apparatus to clean pavers.
- In all cases, attempt to clean a stain before it hardens or dries.

If a stain occurs, follow some simple steps:

- Assess type of stain carefully before taking action (incorrect assessment of stain can cause the stain to be more difficult to remove).
- If stain cannot be accurately assessed, conduct a trial process on a small portion of stained area to determine most appropriate action.
- Do not use acid to remove stains under any circumstances. Refer to the guide beside for some stain removal solutions.

## Finishing touches

## Sealing

National Masonry recommends that all pavers should be sealed with a quality penetrating sealer following installation. Please check with a qualified tradesperson for advice on this process. National Masonry does not accept liability for stained or damaged pavers.

\*\* For Millstone pavers, National Masonry recommend a semi-penetrating sealing to aid gap sand adhesion.

This is general information and should be viewed as a guide only. National Masonry recommends you obtain professional building advice on your specific paving project.

PROBLEM	SUGGESTED CLEANING METHOD
Efflorescence* (White powdery deposit)	Use Environex Anti-EFF or equivalent as per manufacturers recommendation.
Leaves, bark, algae, food and wine stains	Use 10 part water to 1 part bleach, then wash <sup>^</sup> down.
Chewing gum	Freeze with dry ice and remove with a spatula.
Ivy suckers	Apply a heat gun to the suckers until they go hard. Allow them to cool and dry, then scrub them off with a stiff bristled broom.

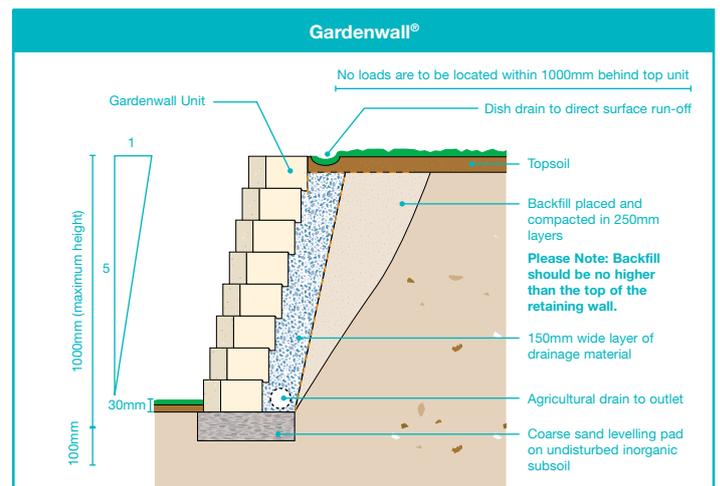
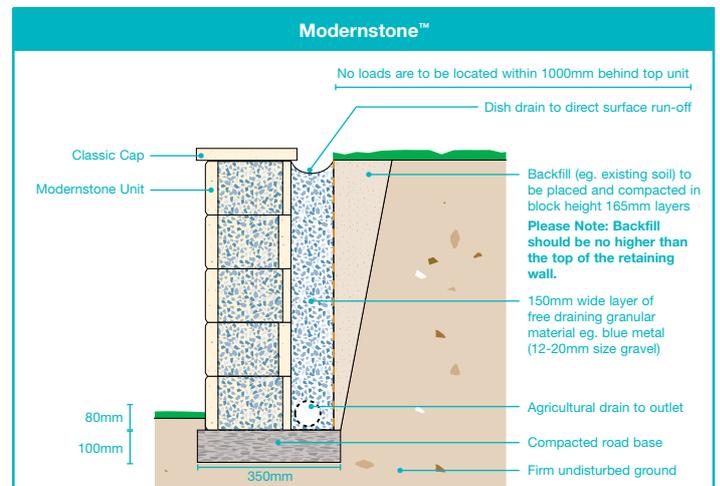
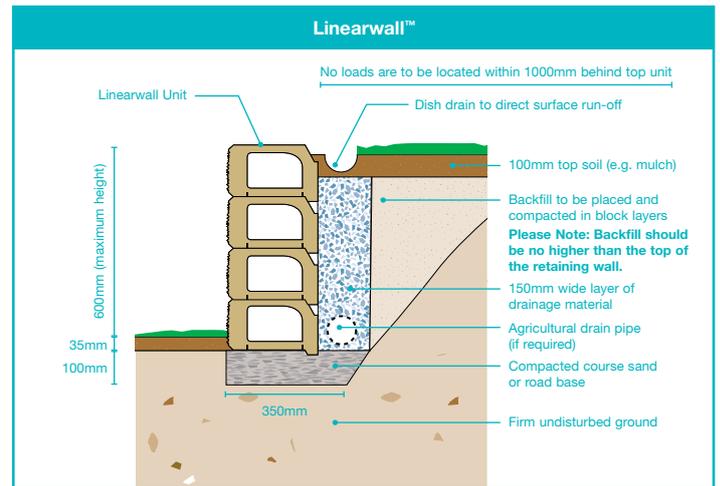
\* Efflorescence occurs naturally in cement based products.

<sup>^</sup> Subject to water restrictions in your area.

# How to choose a wall



## Retaining Wall Typical Cross Sections



# Basic guide to wall building

Find detailed information and download more guides at our website - [www.nationalmasonry.com.au](http://www.nationalmasonry.com.au)



## Locate your wall

Mark out the ground where your wall will be located (either by marking with stakes and a string line or by marking a line on the ground with spray paint). Excavate trench then compact roadbase into trench to form a levelling pad.



## Prepare the site

Place blocks side by side on the levelling pad using a string line along the back of the units for alignment. Level each unit side to side and front to back using your spirit level. Spend time making sure the first course of units is level, otherwise all ensuing courses and ultimately the entire wall will not be level.



## Backfill and compact

Install an agricultural drain 150mm diameter behind your first course and surround with gravel (12-20mm sized gravel, e.g. blue metal). Shovel and compact your backfill (existing site soil) behind the drainage material. (Backfill consisting of heavy clays or organic soils is not recommended due to water holding properties).



## Additional courses

Sweep the top of the previous course clean. Place the next course of units in a running bond pattern (i.e. with the vertical joints from the first course units halfway across the second course units). Pull each unit forward until it locks with the nib on the unit below. Place the drainage material behind the second course of units. Stack units, placing drainage material and compact backfill for each block height layer until your wall is complete.



## Fixing capping units

Place capping units, if required, on the top course. It is recommended that caps be secured using a construction adhesive such as liquid nails®. Some capping may require the removal of nibs from the top course of blocks.

## TYPICAL APPLICATIONS

Retaining Wall	Page	Max Wall Height (mm)*	Straight Walls	Curved Walls	Corners	Steps	Face Profile	Block Face Size
Linearwall™	7	600	✓	✗	✓	✓	Flushface	Medium
Modernstone™	6	1000	✓	✓	✓	✓	Angled Face	Medium
Gardenwall®	5	1050	✓	✓	✗	✗	Angled Face	Medium
Sedona Stone™	6	300	✓	✓	✓	✓	Angled Face	Small

## General Tips

- Gather ideas on the look you want to achieve. Look through this brochure and our website - [www.nationalmasonry.com.au](http://www.nationalmasonry.com.au).
- Use the table above to determine which retaining wall is most suitable for your particular application.
  1. Determine the height you want to achieve.
  2. Determine which design you want – do you want curves, corners or a straight wall?
- Select a colour that complements your area, home and surroundings such as other homes in your street.
- Choose to D.I.Y. or hire a contractor.
- Save time and effort by selecting a DIY retaining wall system with pre-cut corner pieces and a smooth top – no need for capping – such as Linearwall™.
- To create an outdoor room environment, use low-level retaining walls to build structure around paving – and it doubles as extra seating.
- When creating a new space with retaining walls and paving, use contrasting colours and textures to give your home a stylish edge.

‡ Please consult with regulating council for local design requirements prior to the construction of any retaining wall. Councils in general require that retaining walls be designed and certified by a suitably qualified engineer where the wall is over 0.5m in height and/or where there is a surcharge loading, such as a driveway, house or other structure near the wall. This is general information and should be viewed as a guide only National Masonry recommends you obtain professional building and engineering advice on your specific retaining wall project.

\* Maximum wall heights in good soils (gravels, sandy gravels, crushed sandstone).



#### South Queensland

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Wacol

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Fax: (07) 3271 1815

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Slade Point

Mackay Qld 4740

Phone: (07) 4955 1155  
Fax: (07) 4955 4130

#### Gold Coast

663 Pine Ridge Road,  
Biggera Waters

Gold Coast Qld 4216

Phone: (07) 5552 3300  
Fax: (07) 5552 3399

#### Victoria

Riding Boundary Road,  
Deer Park

Melbourne Vic 3023

Phone: (03) 9361 6400  
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