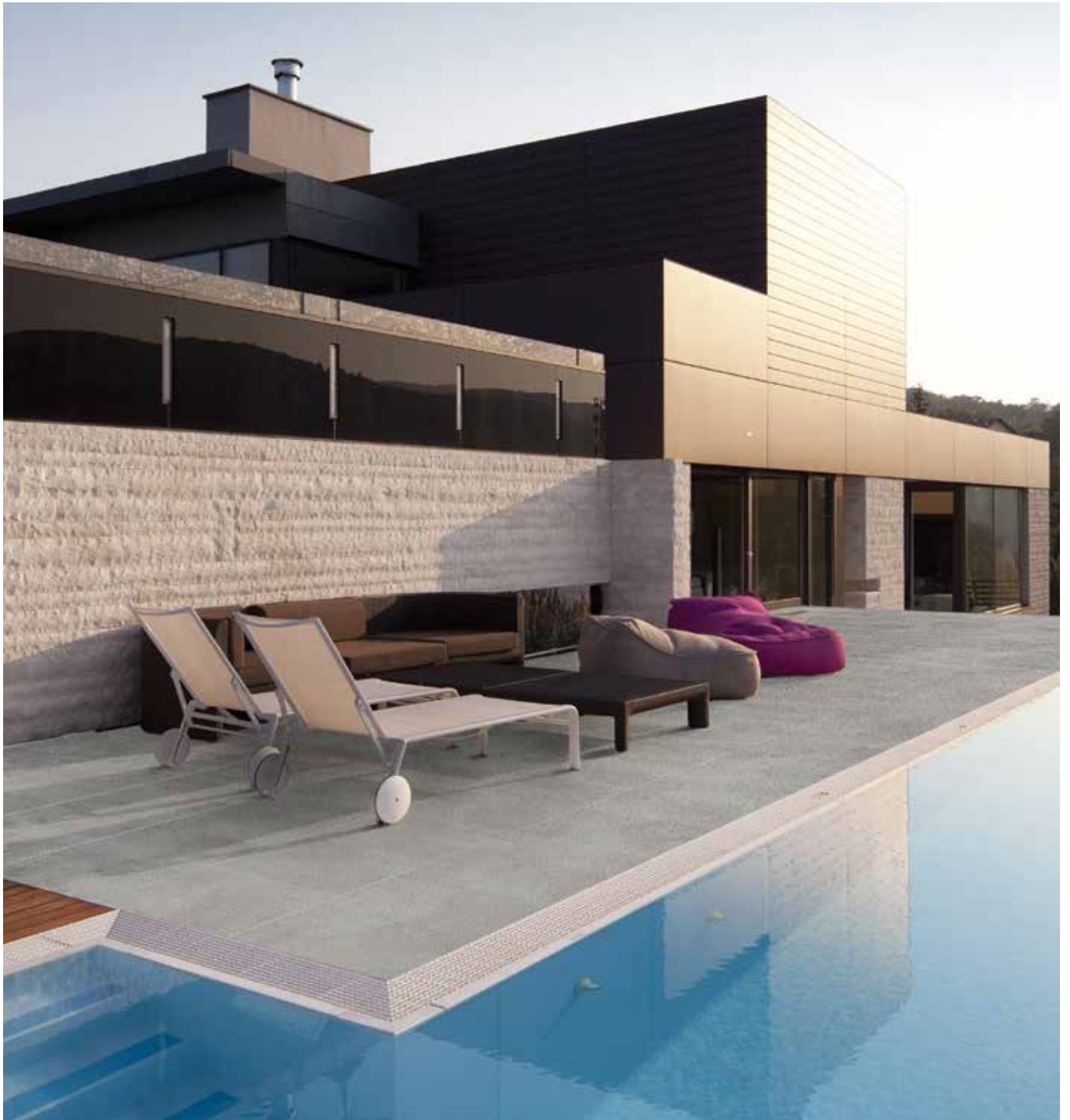


PAVERS, ENDURASTONE AND TERRE

style and function





BEAUTIFUL PRODUCTS

with enduring style

Our range of coloured, standard and premium masonry have set a new standard in quality and style for the versatile concrete block.

By adding oxides and coloured sands to our mix of raw materials, we produce blocks with contemporary colours, textures and appeal. Ideal for a range of projects from a modern beach residence to impressive commercial projects, Austral Masonry has an array of products to suit your style.

Austral Masonry blends fine sand, cement, aggregate and quality colouring agents to produce unique coloured blocks. Having long been the workhorse of the construction industry, our products are frequently specified in cutting- edge residential and commercial designs due to their strength and versatility.

Part of the Brickworks Building Products Group, one of Australia's largest and most innovative building product manufacturers, Austral Masonry is part of a group of manufacturers which includes other industry leading brands such as Austral Bricks, Bristle Roofing, Austral Precast and Auswest Timber.

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style and function

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style and function

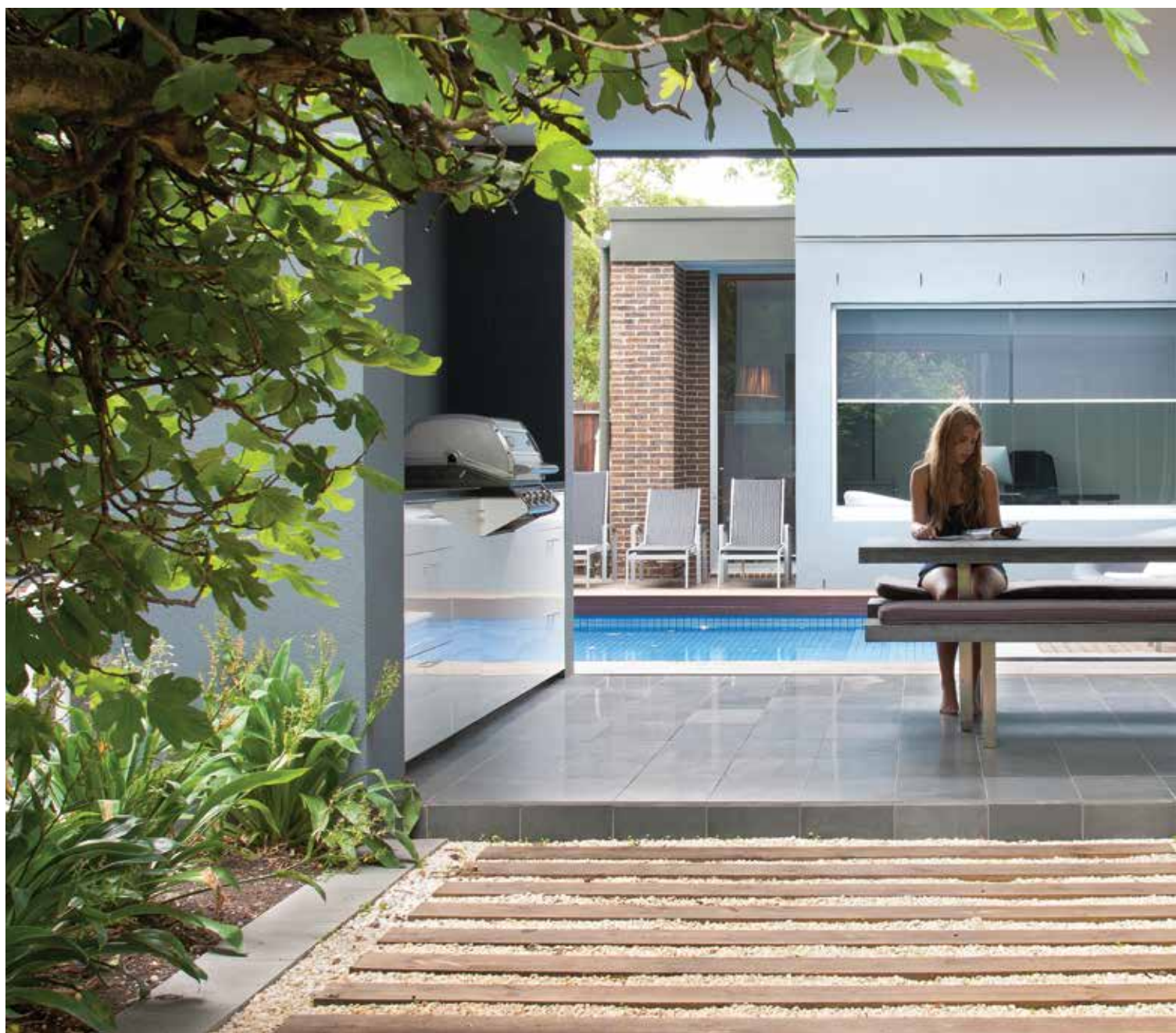
*inspired
by design*



Cover Image: Terre Marigold

Top right: Endurastone Flamed Black Granite

Bottom right: Endurastone Flamed Black Granite





TERRE

neutral colour & natural finish

Created by nature, the Terre range are made from limestone deposited by mineral springs.

Natural and beautiful, this exciting range offers a sophisticated finish that suits a range of designs and colour schemes.

Applications

Internal Living Areas

Paths

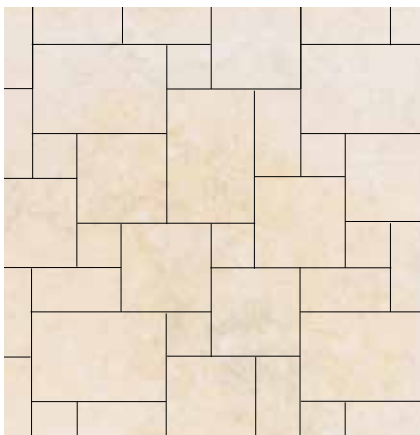
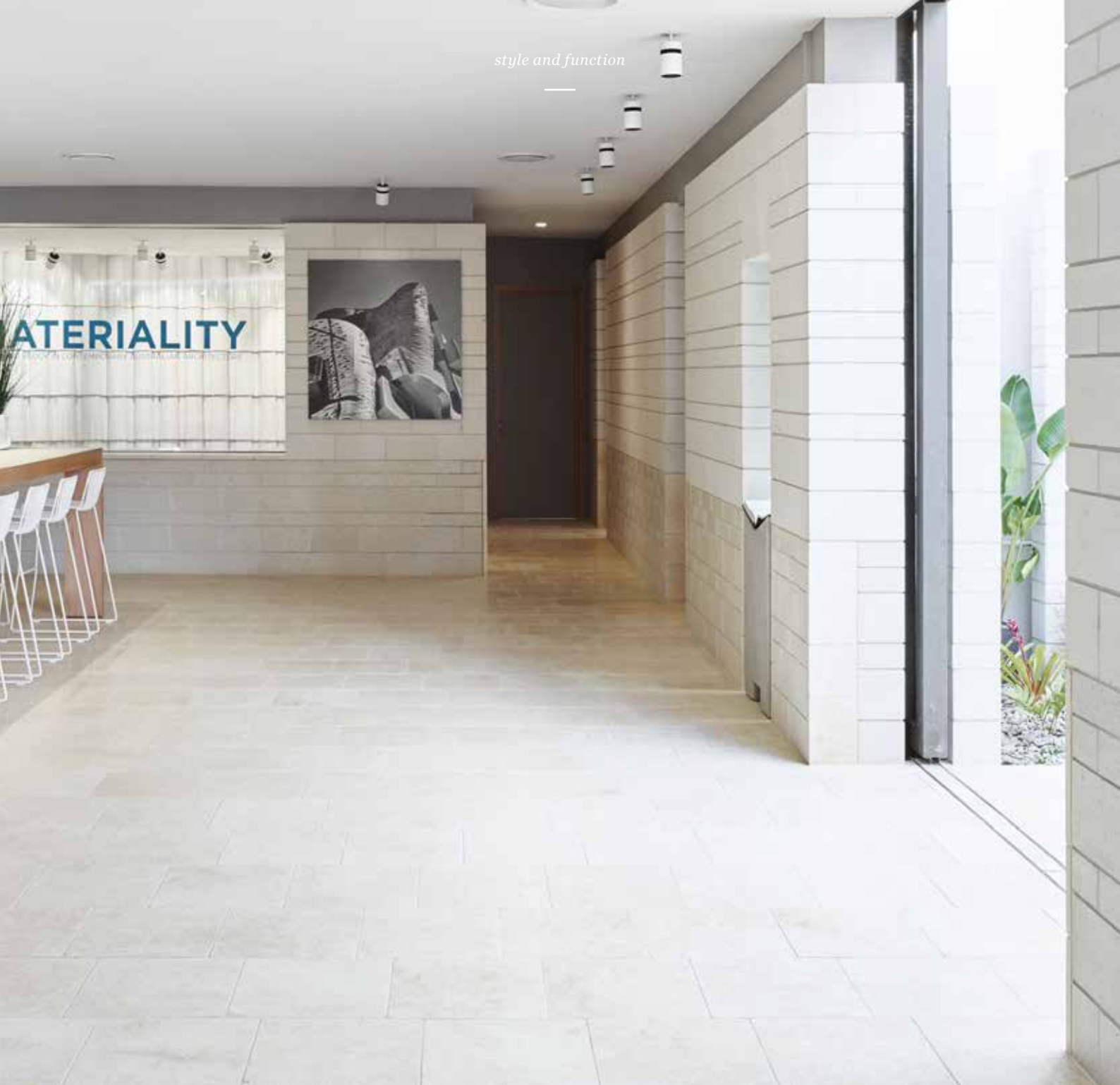
Patios

Pools*

Courtyards

*Check installation requirements with Austral Masonry.

All colours P4 Slip Rating.



French Pattern*

Sold in 1.44 sq metre units composed of the following sizes:

- 2 x 600 L x 400 W mm
- 4 x 400 L x 400 W mm
- 2 x 400 L x 200 W mm
- 4 x 200 L x 200 W mm

* Only available in Marigold



Marigold



Oryx



Standard Unit

Size: 400 L x 400 W x 30 H mm
600 L x 400 W x 30 H mm

ENDURASTONE FLAMED

create a look of distinction

Endurastone Flamed pavers are available in a flamed finish so they can be used for internal and external areas, or even around pool areas. Made from granite, each colour shows a subtle sparkle where the light touches.

Applications

Internal Living Areas

Pools*

Paths

Patios

Courtyards

*Check installation requirements with Austral Masonry.

Silver Granite P5 Slip Rating.

Black Granite and Grey Granite P4 Slip Rating.

style and function



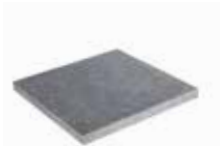
Black Granite



Grey Granite



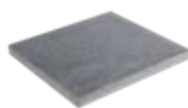
Silver Granite



Standard Unit

Size: 400 L x 400 W x 20 H mm
400 L x 400 W x 30 H mm
600 L x 400 W x 20 H mm*
600 L x 400 W x 30 H mm*

*Silver Granite and
Grey Granite only



Bullnose Unit

Size: 400 L x 400 W x 20 H mm
400 L x 400 W x 30 H mm
600 L x 400 W x 20 H mm*

*Silver Granite and
Grey Granite only

ECOLOGY SMOOTH

style with impact



For contemporary styling with impact, the Ecology range of pavers offers sharp contemporary lines and colours, ideal for everyday living ideas, in courtyards, paths and other outdoor spaces.

APPLICATIONS

- Pools**
- Paths**
- Patios**
- Courtyards**
- Driveways**

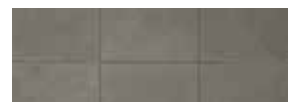
style and function



Beachwood



Dusk



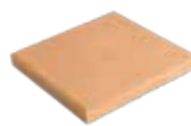
Storm



200 x 100 Paver
Size: 200L x 100W x 50H mm



200 x 200 Paver
Size: 200L x 200W x 50H mm



400 x 400 Paver
Size: 400L x 400W x 50H mm



600 x 300 Paver
Size: 600L x 300W x 50H mm

ECOLOGY SLATE

for a more refined finish



For contemporary styling with impact, the Ecology Slate range of pavers offers sharp contemporary lines and colours, ideal for everyday living ideas, in courtyards, paths and other outdoor spaces.

APPLICATIONS

- Pools**
- Paths**
- Patios**
- Courtyards**
- Driveways**

style and function



Beachwood



Dusk



Charcoal



400 x 400 Paver

Size: 400L x 400W x 50H mm



600 x 300 Paver

Size: 600L x 300W x 50H mm



LONDON

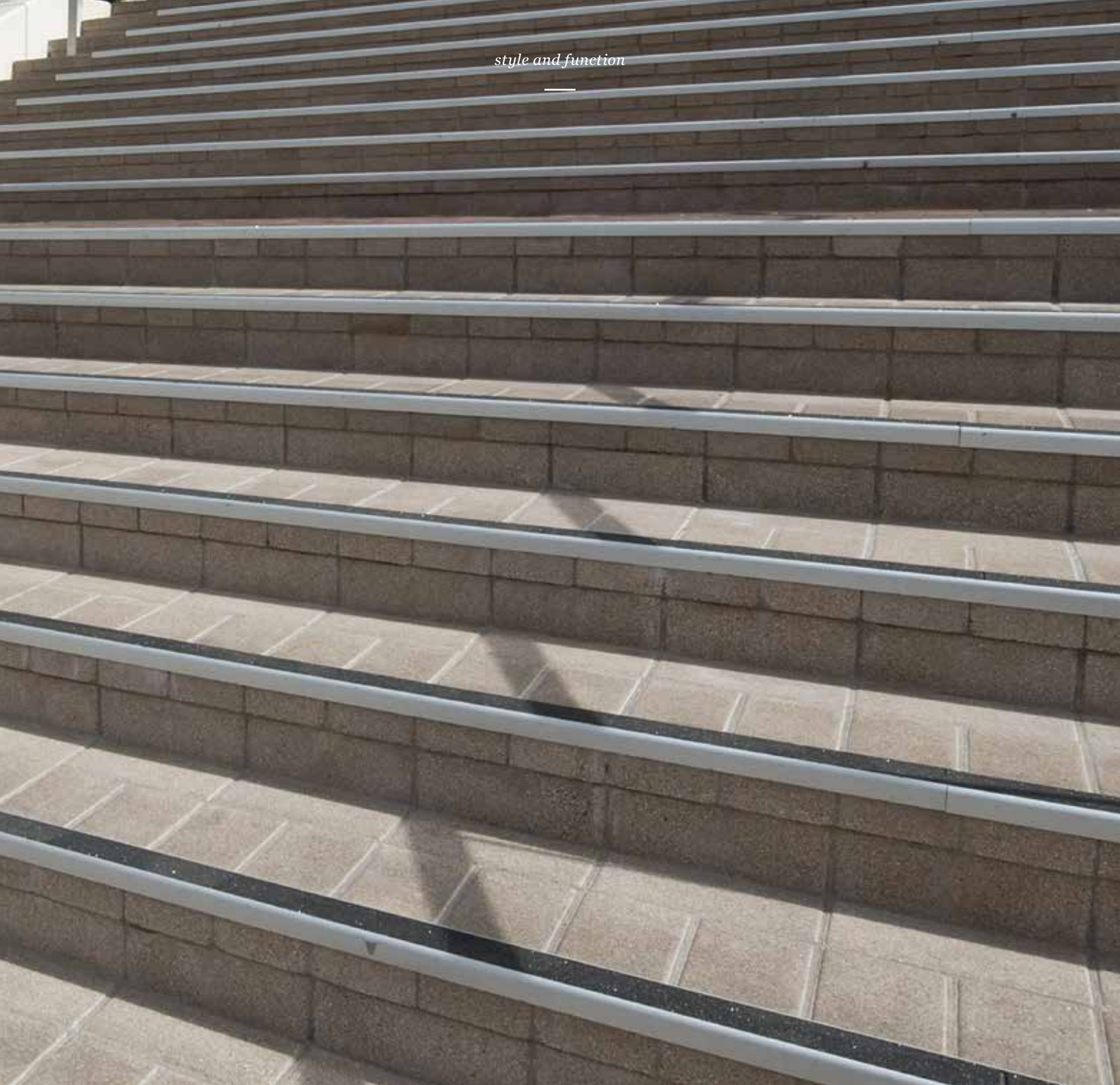
traditional but classy

The Bowral Bricks architectural bricks have been transformed into dry pressed pavers. Manufactured using time honoured techniques with today's technology guarantees premium quality.

Applications

- Pools
- Paths
- Patios
- Courtyards
- Driveways

style and function



Silver Sand



Brahman Granite



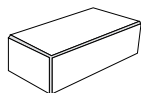
Maple



Regency Grey



Chestnut



London Paver

Size: 230 L x 114 W x 65 H mm



HAMLET

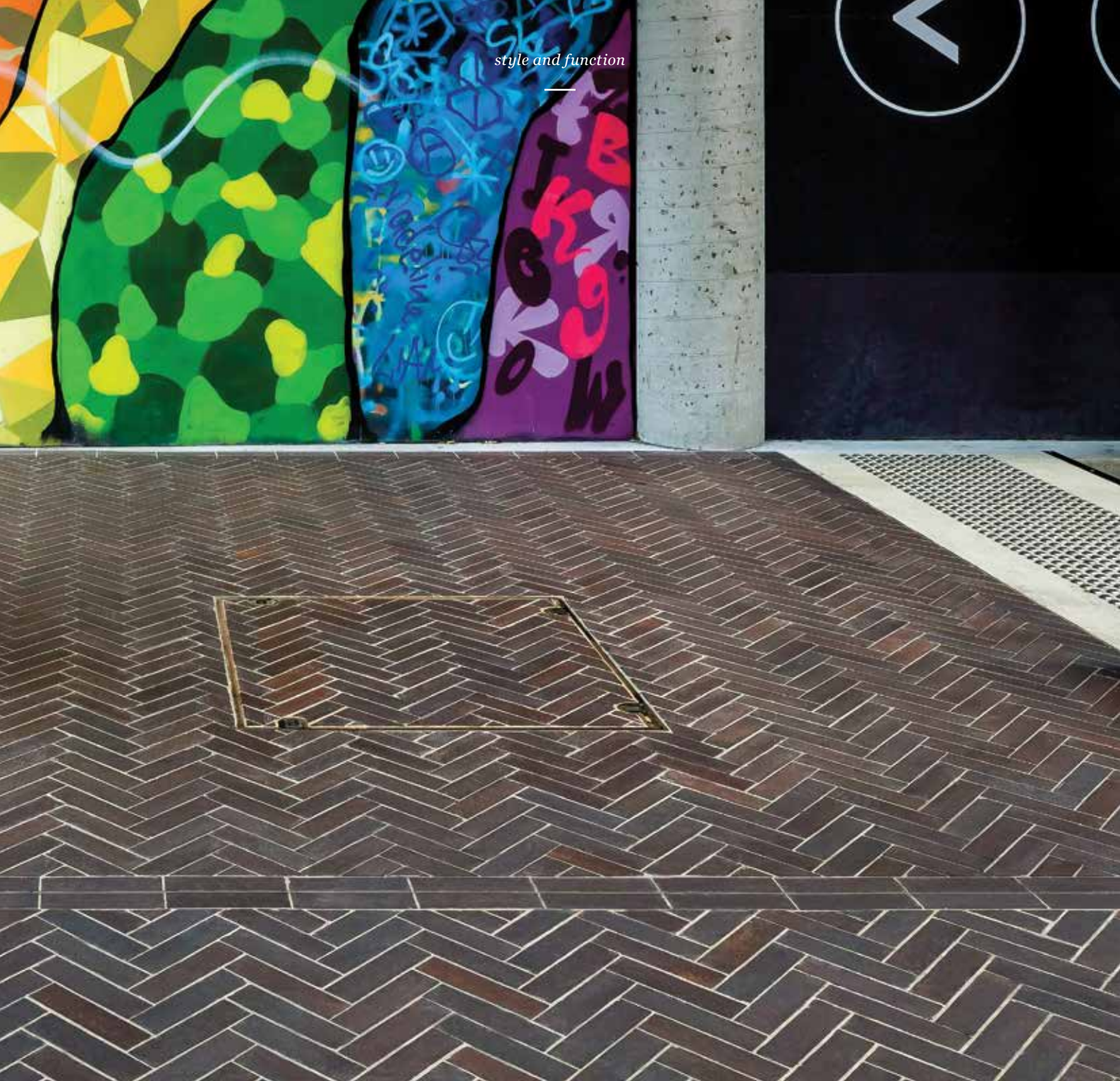
architecturally inspired

The Hamlet paver collection will set your project apart. Whether they be used indoors or out, this special sized paver produced in the renowned Bowral colours is in a class of its own.

Applications

- Pools
- Paths
- Patios
- Courtyards
- Driveways

style and function



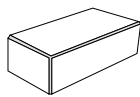
Blue



Sepia



Ash



Hamlet Paver

Size: 230 L x 76 W x 65 H mm



PARADISE

for outdoor living

From driveways to garden paths and courtyards, Paradise pavers come in a colour range of Tugun, Miami, Kirra, Coolangatta, Tweed and Burleigh, suited to our famous Queensland outdoor living.

Applications

- Pools
- Paths
- Patios
- Courtyards
- Driveways

style and function



Miami



Coolangatta



Tugun



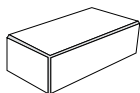
Tweed



Kirra



Burleigh



Paradise Paver

Size: 230 L x 114 W x 50 H mm

INTERLOCK 80

Concrete segmental pavers

Interlock 80 pavers are ideal for areas such as heavy transport and container terminals, industrial facilities, aircraft terminals etc. Interlock 80 installations are generally used with header and border rows of Techpave 80 to finish the edges.

Applications

Pedestrian

Domestic Driveways

Pools

Commercial Vehicle

Industrial Vehicle

Car Parks

Public space paving

**Laneways, residential streets
and roads**

Factory and container yards

style and function



Natural



Charcoal*



Interlock 80

Size: 225 L x 112 W x 80 H mm

Weight (each): 4.3 kg

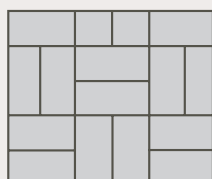
Coverage: 40 units per m²

*Made to order. Minimum order quantities apply.

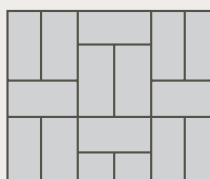
HOW TO

lay pavers, Endurastone and Terre

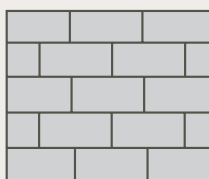
Paver Patterns



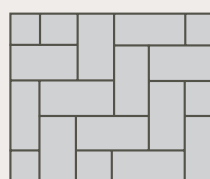
Basket



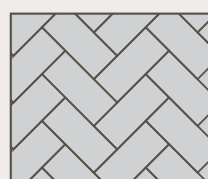
Weave Variation



Running Bond



Herringbone 90°



Herringbone 45°

Materials required

- Pavers, Endurastone and Terre
- Gravel Roadbase (1m³ covers 10m² at a compacted depth of 100mm)
- Bedding Sand (1m³ will cover 30m² at a depth of 30mm)
- String lines, tape measure and pegs
- Spirit level
- Two Screed Rails – two flat steel bars (Approx. 3m x 50mm x 2mm)
- 2-3m long concrete's screed
- Broom, rake and shovel
- Plate vibrator compactor
- Edge restraints (concrete, cement or timber)
- Cutting Equipment – Paver Splitter/ Masonry Brick Saw



1. Excavating

Remove all vegetation, rubble and surplus soil from the selected area. A metal headed rake is ideal for excavation. This will give you a formation on which to work. The sub base goes over the sub grade. If using sub base for domestic driveways, minimum 100mm of limestone or roadbase is recommended. For patio and pedestrian areas, cemented stabilised sand may be used. See Figure 1. It is recommended that all large format pavers, Endurastone and Terre when used in vehicle areas are bedded in either a sand and cement mortar bed or fixed using a flexible adhesive.

2. Compacting

Compact the sub base with a hand held / mechanical compactor to a maximum deviation of 10mm from true level. Though hand-held compactors will be adequate for small jobs, mechanical compactors should be hired for driveways and larger areas. After compaction, cover the sub base with 20 to 50mm of well graded coarse bedding sand. Ensure that the sand is relatively dry. With 3% clay the bedding sand provides a barrier and protects the pavers, Endurastone and Terre from harmful salt attacks. Concreting sand is suitable for this purpose. NB. Compactor not included in DIY paving kit. See Figure 2.

3. Levelling

Place the screeding board along the base of a wall or straight vertical structure. This will give you a level for the bottom of the paver, Endurastone and Terre unit. This level is called the benchmark. See Figure 3.

4. Screeding

Lay the screeding board at right angles to the benchmark to create a level for the screeding irons. For drainage purposes, always allow for a slight fall-away from the edge of the wall. This should be about 25mm over a distance of three metres. (Use your spirit level to measure fall-away. Bubble should reach outer line.) Repeat the above process at one screeding board length along the benchmark. These two indentations will be your height marks. See Figure 4.

5. Screeding continued

Continue to push the screeding board into the sand along the full length of the area to be covered, maintaining the level of the first height marks. Starting at the benchmark, place the screeding board on the screeding iron and drag it back and forth until the sand between the screeding irons is smooth and level. Move the screeding irons along the height marks, and continue to level the sand with the screeding board. See Figure 5.

6. Screeding continued

Further Screeding Repeat steps (3) and (5) to level the next section of sand. Allow one of the height marks to slightly overlap the area you have already levelled. When the entire area is level,

you are ready to use your pavers, Endurastone or Terre units. Look for any hollows or bumps in the levelled sand. This stage may be your last chance to smooth them out. See Figure 6.

7. Selecting Patterns

Austral Masonry pavers Endurastone and Terre units are available in a wide range of colours and shapes. See page 16. However, for vehicular traffic, only herringbone patterns should be used.

8. Gauging

Determine the average length and width of pavers by measuring the cumulative dimensions of 20 pavers and dividing by 20. The laying gauge is then determined for the pattern selected by using the average dimensions determined together with a nominal joint width of 2.3mm. Before laying pavers, a grid of string lines not more than 1 metre apart should be set up covering the area to be paved. No contact should exist with adjacent pavers. See Figure 8.

9. Trimming

After whole pavers, Endurastone or Terre units have been laid, the units are cut for use at the edges, corner, curves and obstructions if any. This can be effectively achieved when safely using a diamond blade brick saw or a masonry saw. See Figure 9.

10. Edge Restraint

The most effective way to keep edge pavers, Endurastone or Terre units in position is to set them in cement. Take up the last row of pavers, Endurastone or Terre units and drag away 20cm of sand to a depth of 6cm (10cm for driveways). Level out the cement mortar and place the pavers in position by lightly tapping them. Do not use the laid area for at least 24 hours after the cement is laid.

A driveway should not be used for 48 hours. See Figure 10.

11. Jointing Sand

Masonry pavers, Endurastone or Terre units are designed to function with sand completely filling the vertical joints. This is essential for effective lock-up and shear transfer. Spread dry sand over the laid area and brush it into the vertical joints with a stiff bristled broom. Please clean the area of excess sand before final compaction. See Figure 11.

12. Final Compaction

Use the rubber mallet and the flat length of timber provided to compact small areas. However for larger area and driveways, it is advisable to use a plate compactor and protect the laid area with a layer of excess jointing sand (approx 5 to 10mm) and plywood to prevent it from coming in direct contact with the units. Top up the joints with jointing sand after compaction. See Figure 12.

Austral Masonry recommends sealing of all pavers, Endurastone and Terre products after installation.



4



5



6



10









11



12


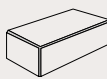

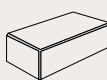
CONCRETE PAVER

information

Product	Range	Description	Size	Slip Rating	Applications
	Ecology Smooth 200x100	200x100 Standard Unit	200L x 100W x 50H	Storm - P5 Dusk - P5 Beachwood - P5	Pools Pedestrian* Driveways
	Ecology Smooth 200x200	200x200 Standard Unit	200L x 200W x 50H	Storm - P5 Dusk - P5 Beachwood - P5	Pools Pedestrian* Driveways
	Ecology Smooth 400x400	400x400 Standard Unit	400L x 400W x 50H	Storm - P5 Dusk - P5 Beachwood - P5	Pools Pedestrian* Driveways
	Ecology Smooth 600x300	600x300 Standard Unit	600L x 300W x 50H	Storm - P5 Dusk - P5 Beachwood - P5	Pools Pedestrian* Driveways
	Ecology Slate 400x400	400x400 Standard Unit	400L x 400W x 50H	Charcoal - P5 Dusk - P5 Beachwood - P5	Pools Pedestrian* Driveways
	Ecology Slate 600x300	600x300 Standard Unit	600L x 300W x 50H	Charcoal - P5 Dusk - P5 Beachwood - P5	Pools Pedestrian* Driveways



CONCRETE AND CLAY PAVER

information

Product	Range	Description	Size	Coverage	Slip Rating	Applications
	Interlock 80	Standard Unit	225L x 112W x 80H	45.35 Units per m ²	Charcoal - P5 Natural - P5	Pedestrian Domestic Driveways Pools Commercial Vehicles Industrial Vehicles
	London	Standard Unit	230 L x 114 W x 65 H mm	37 Units per m ²	Silver Sand - P5 Brahman Granite - P5 Maple - P5, Regency Grey - P5, Chestnut - P5	Pools Pedestrian Driveways Indoor
	Paradise	Standard Unit	230 L x 114 W x 50 H mm	37 Units per m ²	Miami - P5, Tugun - P5, Kirra - P5, Burleigh - P5, Coolangatta - P5, Tweed - P5	Pools Pedestrian Driveways Indoor
	Hamlet	Standard Unit	230 L x 76 W x 65 H mm	57 Units per m ²	Blue - P5 Sepia - P5 Ash - P5	Pools Pedestrian Driveways Indoor

ENDURASTONE AND TERRE

information

Product	Range	Description	Size	Coverage	Slip Rating	Applications
	Endurastone Flamed	Standard Unit	400 L x 400 W x 20 H mm	6.25 Units per m ²	Black Granite - P4 Grey Granite - P4 Silver Granite - P5	Pools*
		Bullnose Unit	400 L x 400 W x 30 H mm	4 Units per m ²		Pedestrian
		Bullnose Unit	600 L x 400 W x 20 H mm	4.166 Units per m ²		Driveways^
		Bullnose Unit	600 L x 400 W x 30 H mm	2.77 Units per m ²		Indoor
	Terre	Standard Unit	400 L x 400 W x 30 H mm	6.25 Units per m ²	Marigold - P4 Oryx - P4	Pools*
		Bullnose Unit	600 L x 400 W x 30 H mm	4.166 Units per m ²		Pedestrian
		Bullnose Unit	600 L x 400 W x 30 H mm	4.166 Units per m ²		Indoor*

* Endurastone and Terre ranges being used as pool copping are recommended to be sealed on the top and bottom of the unit.

** indicates these units are suitable for applications that are not in wet areas. ^Contact Austral Masonry regarding installation requirements

Slip Rating

Applications according to Australian Standard HB198:2014

P5	External ramps steeper than 1:14 Loading docks Commercial kitchens Swimming pool ramps and stairs
P4	External colonnade and walkway Pedestrian crossings, driveways Verandahs, Balconies Serving areas behind bars, cold stores Swimming pool surrounds Communal shower rooms
P1	Entries & access areas - public buildings - DRY Supermarket aisles (except fresh food)

style and function



MAINTENANCE

of pavers

Maintaining your paved area will guarantee that it holds its good looks and natural appeal forever, ensuring added resale value to your home.

All paved areas, over time, are subject to spillages and a build up of dirt and grime. By following certain guidelines and cleaning procedures, maintaining the good look of your Austral Masonry concrete pavers need not be a problem.

Efflorescence

Efflorescence is a powdery deposit of salts (usually white or yellow) and is often found on the surface of clay pavers after a period of rain. Efflorescence appears due to external sources from surrounding materials. For example, salty soils or fertilisers draw up through the pavers by the drying effect.

Prior to laying your pavers, make sure a clean bed of sand is the foundation of the paving – this will form a barrier to salts migrating to the pavers from below. Efflorescence can be removed by using either a dry brushing technique or wiping with a damp cloth making sure the salts are carried away from the pavers.

Organic Growths – Fungus, Mould and Moss

Porous masonry may provide an environment for organic growth when it is continuously moist, especially in light but shady conditions and when there are plenty of nutrients available.

Clean off the growth as much as possible with a dry bristle brush. Organic growths should be treated with liquid chlorine, or common household chemicals such as Exitmould and WhiteKing or a proprietary weed killer. The solution should be left for several days and then brushed off with hot water and detergent. Repeat as necessary.

MAINTENANCE

of endurastone and terre

Maintaining your Endurastone and Terre will ensure its inherent beauty is preserved forever.

By following certain sealing and cleaning guidelines, you can rest assured that your Endurastone and Terre paving will look stylish for the life of your home.

Sealing

Austral Masonry recommends that all Endurastone and Terre products supplied be sealed with a penetrating sealer. Sealing your Endurastone and Terre is a way to protect it from staining and to make your day to day cleaning easier.

Most stone products can stain when they absorb liquids or moisture that are allowed to remain in contact with them for extended periods of time. If you are laying your Endurastone and Terre in an area where they are likely to come in contact with liquids, a sealer should be applied to help avoid future staining.

It is always recommended to seal a test area first and seek advice from your sealer company.

Where Endurastone and Terre is being used as a pool capping, it is recommended to seal underneath the stone units to mitigate potential issues resulting from exposure to chemicals in the pool water.

Cleaning

It is advised that you regularly sweep your Endurastone and Terre to minimize the amount of dirt and debris which settles on the paving and to allow your Endurastone and Terre to continue looking its best.

Depending upon water restrictions, the use of high pressure water cleaners on an annual basis will assist in maintaining your Endurastone and Terre in pristine condition.

In order to prevent staining or dirt build up, Endurastone and Terre should be rinsed regularly with warm water and a non abrasive, clear, non acidic detergent. A pH neutral cleaner is recommended. Austral Masonry does not recommend the use of acids on stone products as this can cause damage.

All spills should be wiped up immediately. Soft drinks, coffee, tea and fruit juices contain mild acids which can etch and stain the stone quite rapidly.

These should be cleaned off with a mild soap and warm water.



WE ARE

Brickworks

Brickworks Building Products is one of Australia's largest and most diverse building material manufacturers. Under the Brickworks Building Products umbrella are some of Australia's best known building materials brands. Our products include bricks, pavers, masonry blocks, retaining wall systems, precast concrete panels, concrete and terracotta roof tiles, timber products and specialised façade systems.

With a broad product portfolio and manufacturing and sales facilities across Australia, Brickworks Building Products is uniquely placed to service the demands of the building industry.

With over 1200 staff across Australia and New Zealand, we pride ourselves on our commitment to product, service excellence and our leadership position.

BRICKWORKS BUILDING PRODUCTS



BOWRAL BRICKS



Pronto Panel™

Proud supporters





STYLE AND FUNCTION

www.australmasonry.com.au
1300 masonry (1300 627 667)

follow brickworks building products on



NATIONAL HEAD OFFICE **DESIGN CENTRES**

Queensland	Gympie	Rockhampton	Cairns	Ayr	Townsville
184 Burnside Rd Yatala QLD 4208	Cnr Woondum Rd and Bruce Highway Gympie QLD 4570	42-50 Johnson Street Parkhurst QLD 4702	8 Palmer St Cairns QLD 4870	7 Conford Crescent Ayr QLD 4807	42 Blakey St Garbutt QLD 4814



Austral Masonry is part of the Brickworks Group

The product images shown in this brochure give a general indication of product colour for your preliminary selection. Austral Masonry recommends all customers see actual product samples at a selection centre prior to making final selections.

1. Stock colours. Colours other than stock colours are made to order. Contact your nearest Austral Masonry office for your area's stock colours. A surcharge applies to orders less than the set minimum quantity. **2. Colour and texture variation.** The supply of raw materials can vary over time. In addition, variation can occur between product types and production batches. **3.** We reserve the right to change the details in this publication without notice. **4.** For a full set of Terms & Conditions of Sale please contact your nearest Austral Masonry sales office. **5. Important Notice.** Please consult with your local council for design regulations prior to the construction of your wall. Councils in general require those walls over 0.5m in height and/or where there is loading such as a car or house near the wall be designed and certified by a suitably qualified engineer. **6. Max wall heights disclaimer.** The gravity wall heights are maximum heights calculated in accordance with CMAA MA-53 Appendix D guidelines and a qualified engineer should confirm the suitability of the product for each application. As such, due consideration must be given to but not limited to: Cohesion. Dry backfill, no ingress of any water into the soil behind the retaining wall. All retaining walls are designed for zero surcharge unless noted otherwise. These walls are intended for structure Classification A walls only as defined in AS4678 Earth Retaining Structures as being where failure would result in minimal damage and/or loss of access.