BEAUTIFUL PRODUCTS

that last a lifetime

Our range of coloured, standard and premium masonry and natural stone products have set a new standard in quality and style.

By adding oxides and coloured sands to our mix of raw materials, we produce products 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.

Our concrete retaining walls and pavers are created by blending fine sand, cement, aggregate and quality colouring agents to produce unique coloured blocks. Our range of stone products are quality controlled and only the finest samples offered for projects of distinction.

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, Bristile Roofing, Austral Precast and Auswest Timbers.
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inspired by design
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.

P4 Slip Rating.

Above: Terre Marigold
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
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.
Black Granite
Grey Granite
Silver Granite
Basalt Granite

**Standard Unit**
Size: 400 L x 400 W x 20 H mm
600 L x 400 W x 20 H mm*
600 L x 600 W x 20 H mm^*

*Silver Granite and Grey Granite only
^Basalt Granite only

**Bullnose Unit**
Size: 400 L x 400 W x 20 H mm
600 L x 400 W x 20 H mm*
600 L x 600 W x 20 H mm^*

*Silver Granite and Grey Granite only
^Basalt Granite only
Polished to create a lustrous sophisticated finish, Endurastone Polished tiles are the epitomy of luxury and style. From the striking dark colours of our Black Granite through to the light sophistication of our Silver Granite, you will not be disappointed with your selection.

**Applications**
- Internal Living Areas*
- Walling

*P1 Slip Rating. Wet areas require non-slip sealer.
Black Granite  
Gray Granite  
Silver Granite

**Standard Tile**

Size: 400 L x 400 W x 12 H mm
600 L x 300 W x 12 H mm
600 L x 600 W x 12 H mm
BROADWAY 150, 300 & 400

style with impact

For contemporary style with impact, the Broadway range of pavers offers sharp modern lines and colours, ideal for courtyards, paths and other outdoor spaces.

APPLICATIONS
Pools
Paths
Patios
Courtyards

Above: Broadway Almond
Broadway 400
Size: 400L x 400W x 45H mm
Units per m²: 6.25

Broadway 300
Size: 300L x 300W x 50H mm
Units per m²: 11.11

Broadway 150*
Size: 300L x 150W x 60H mm
Units per m²: 22.2

*Broadway 150 only available in Almond and Charcoal

Sandune
Almond
Charcoal
The Camino 50 offers a small format paver ideal for driveways, paths and pool surrounds. These versatile pavers offer easy installation with a contemporary finish.

**APPLICATIONS**

- Pools
- Paths
- Patios
- Courtyards
- Driveways

*Above: Camino 50 Charcoal*
Camino 50
Size: 230L x 115W x 50H mm
Units per m²: 37.8

Sandune
Almond
Charcoal

style and function
Techpave can support considerable loads and means they are ideal for industrial, commercial and residential applications.

The Techpave range is available in two different sizes and four colours to suit a range of applications.

Applications
- Domestic Driveways
- Commercial Vehicle
- Industrial Vehicle
- Car Parks
- Low to Medium Volume
- Pedestrian Traffic
- Laneways, residential streets and roads
- Factory and container yards
Techpave 80
Size: 230 L x 115 W x 80 H mm
Weight (each): 4.5 kg
Coverage: 38 units per m²

Techpave 100
Size: 210 L x 105 W x 100 H mm
Weight (each): 4.5 kg
Coverage: 45.4 units per m²
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**
- Domestic Driveways
- Commercial Vehicle
- Industrial Vehicle
- Airport Taxiways
- Car Parks
- Low to Medium Volume
- Pedestrian Traffic
- Laneways, Residential Streets and Roads
- Factory and Container Yards

Above: Interlock 80 Natural
Interlock 80

Size: 225 L x 112 W x 80 H mm
Weight (each): 4.3 kg
Coverage: 40 units per m²
Causeway permeable pavers are a unique product which features small nibs on each side which create a small gap between pavers which allows water to penetrate between them.

An intelligent hardstand solution, Causeway pavers can support heavy loads and reduce drainage infrastructure requirements and the costs associated.

Causeway can be used in a tanked system if water run off is to be reused, or an infiltration system, were the water is allowed to drain into the natural groundwater system.
Causeway
Size: 230 L x 115 W x 80 H mm
Weight (each): 4.3 kg
Coverage: 38 units per m²

Style and function

Natural
Almond
Charcoal
The Grasspave range features voids in the paver which allows grass to grow through or pebbles to be placed within it. Easy to install and distinctive, it’s not hard to understand why Grasspave continues to enjoy enduring popularity.

Applications
- Patios
- Paths
- Courtyards
- Driveways

Above: Grasspave Natural
Grasspave
Size: 390 L x 290 W x 90 H mm
Weight (each): 14.8 kg
Coverage: 8.84 units per m²
HOW TO
lay pavers, Endurastone and Terre

Paver Patterns

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 concreter’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 3 to 10mm) and plyboard 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.
## CONCRETE PAVER

**information**

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<th>Product</th>
<th>Range</th>
<th>Description</th>
<th>Size</th>
<th>Coverage</th>
<th>Slip Rating</th>
<th>Applications</th>
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<tr>
<td>Camino 50</td>
<td>Standard Unit</td>
<td>230L x 115W x 50H</td>
<td>37.8 Units per m²</td>
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<td>Paths, Patios, Courtyards, Driveways</td>
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## Product Range Description

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## ENDURASTONE AND TERRE

### Information

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### 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)

* Endurastone and Terre ranges being used as pool coping 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.
MAINTENANCE of concrete 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.
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 AS4987 Earth Retaining Structures as being where failure would result in minimal damage and/or loss of access.