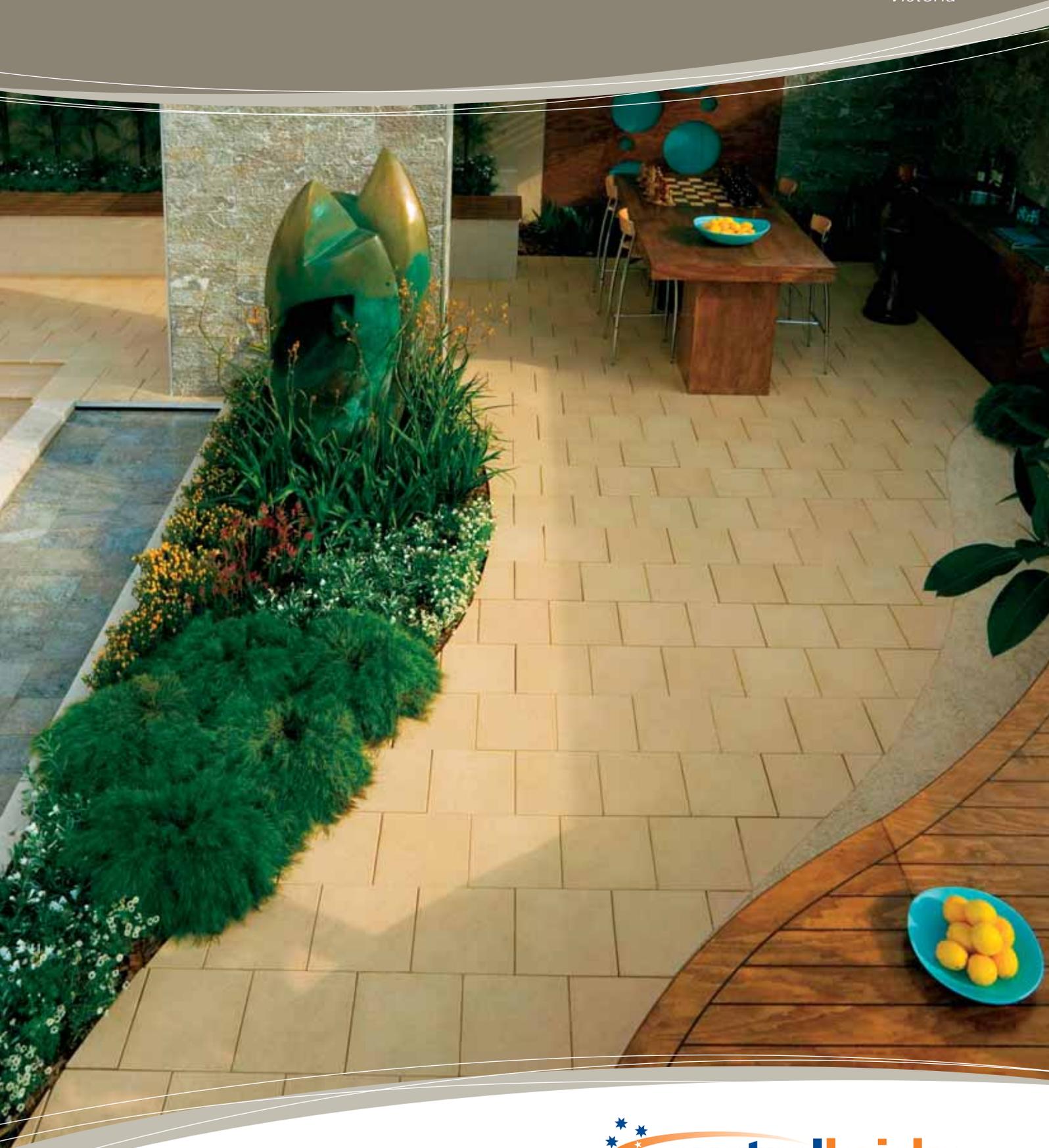


Pavers

Victoria



Paving - 8 easy steps

for DIY and professional landscapers



Before you begin ...

These general instructions will allow an average home handyperson to design, plan and construct a path, patio, courtyard, BBQ area, or even a driveway using the “flexible pavement” system. This method uses a base of crushed rock under a bed of highly-compressed sand supporting pavers laid with narrow, sand-filled gaps. No mortar or concrete is required. Flexible pavements have proven to be economical and durable in a wide range of applications over many years. For further information visit your nearest Austral Bricks Design Centre.

1 Estimating materials

Measure the length and width of the area to be paved and use the calculations below to determine the quantity of materials required.

MATERIALS PER SQUARE METRE								
Product	Size (mm)	Gap (mm)	Pavers	Sand	Fine crushed rock			
					Path/patio	Driveway		
Flagstone	190 x 190	2	27	0.025 m ³	0.075 m ³	0.10 m ³		
Slimpave	230 x 113	2	37.5					
Paving Slab	390 x 190	2	13.5					
Classic & Metro	230 x 114	2	37					
Riviera 300, Riviera Freedom		300 x 300	4-6			10.8		Concrete base recommended
Riviera 400	400 x 400	4-6	6.2					
Riviera 450	450 x 225	4-6	9.6					
Designer Series	300 x 300	2-3	10.8					
Designer Series	400 x 400	2-3	6.2					
Designer Series	600 x 300	2-3	5.5					

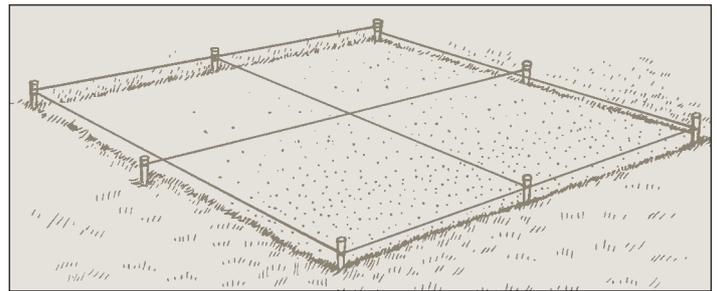
Allow additional quantities for breakages, site wastage and cuts.

One 20 kg bag of pre-mixed concrete will be sufficient for 10 to 15 metres of edge restraint haunching.



2 Mark out

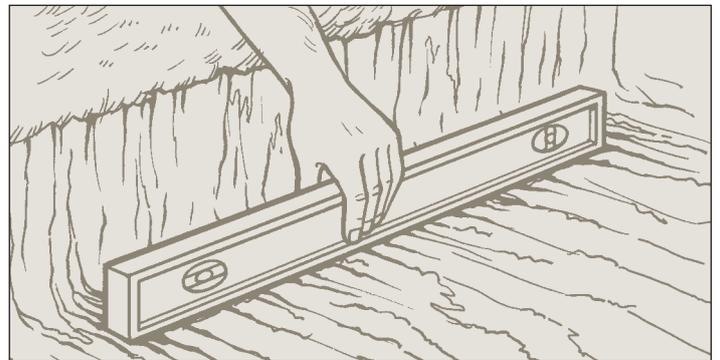
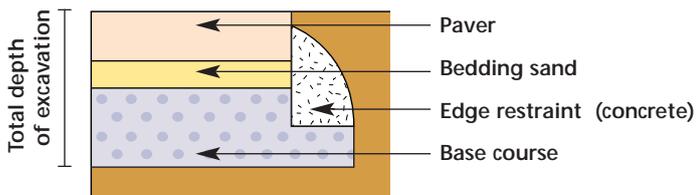
Begin your project by identifying the area you wish to pave. Set a taut stringline to the finished pavement height around the perimeter of the area and, in large areas, across the middle (see diagram right). Ensure the pavement area has a minimum fall of 1 in 50 to shed surface water. Slope paving away from buildings and allow for final paving surface to be below any damp proof course. Time spent preparing the site will be rewarded in the long run and your paving will be as good as the foundations. The base must be firm.



Mark out and set stringlines

3 Excavate

Excavate the pavement area within the stringlines to the total depth required, that is, thickness of fine crushed rock base (FCR) + bedding sand + paver.



Check level to ensure drainage

EXCAVATION TABLE			
	Bedding sand (mm)	Base course (mm)	Total depth (mm)
Driveways - 40 mm pavers		Use concrete base	
Driveways - 50 mm pavers*	25	100	175
Path/patio - 40 mm pavers	25	75	140
Path/patio - 50 mm pavers	25	75	150

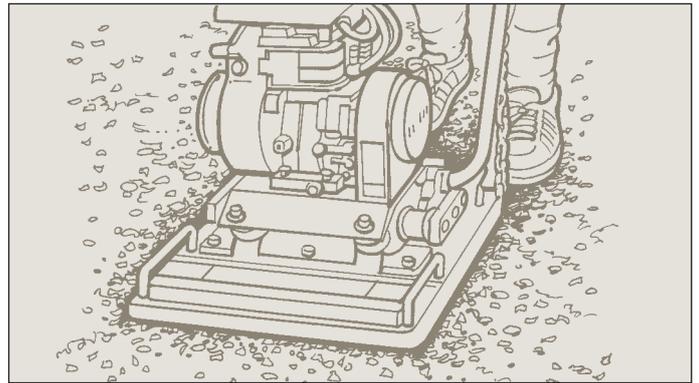
* Use concrete base for driveways constructed with all Riviera and Designer Series pavers

4 Base Course

Spread an even layer of fine crushed rock over the excavated area to the required depth as indicated in step three. Level with a straight edge and compact thoroughly using a vibrating plate compactor.

NOTE:

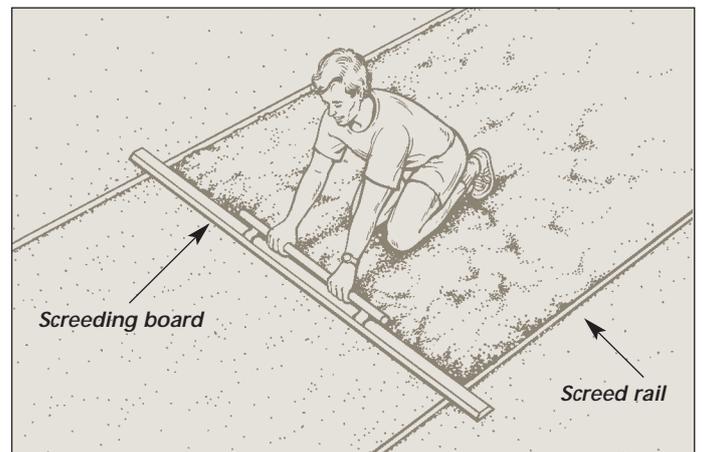
This finished compacted base should be level and completely solid. Test with a spirit level to ensure it drains in the required direction, away from any structure.



Compact base course

5 Bedding Sand

Rake coarse washed sand over the base course and then spread to an even 25mm layer. Allow 5mm for settlement on compaction. To do this, lay two 25mm wide pieces of straight timber across the base about two metres apart. Use a straight edge (either a screed bar or a piece of straight timber) to screed (level) an even layer of sand between the rails. Remove the rails and place sand in the rail tracks.



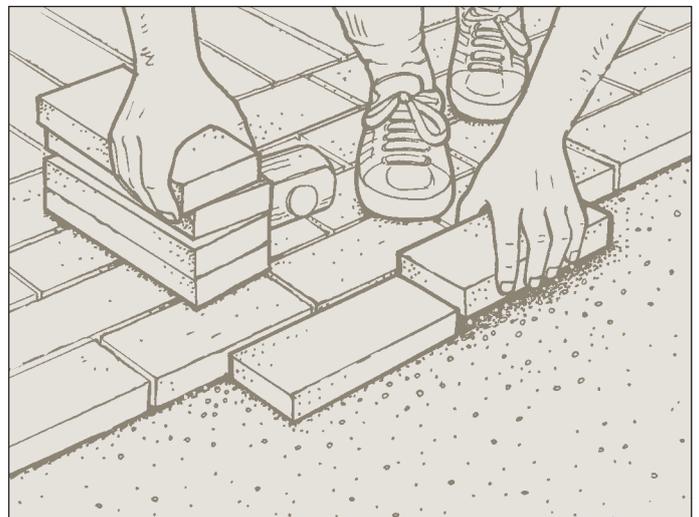
Spread bedding sand in sections

6 Lay Pavers

First, determine the average width of the pavers by placing 20 pavers tightly side by side and measuring their overall width. Divide the figure by 20. Add the gap size to this average width. Use this dimension to place a moveable stringline at a spacing of 10 average paver widths + 10 gaps.

On an even sand base, start next to any fixed object, for example, house or fence, and lay your pavers in the desired pattern. Herringbone is strongly recommended for driveways using small format pavers. Ensure pavers are close to but not touching each other, with the recommended gap between pavers. Avoid putting any weight on the leading edge as the paver can tilt or slip and ruin the even sand base. Ensure every tenth paver ends at the moveable stringline.

Note: To ensure a more uniform blend of colour, select pavers from more than one pack as you lay. (See Blending, page 23.)



Lay pavers

7 Edge Restraint

Dig a narrow trench around the perimeter of the pavement. Shovel concrete into the trench to form a restraining edge against the pavers. Fill to near top of pavers, allowing space for soil and turf. The edge restraint must extend below the bedding course.

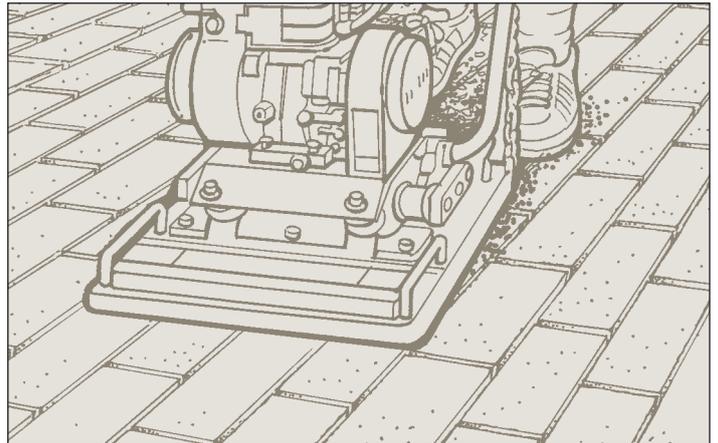


Concrete edge keeps pavers in place

8 Compact

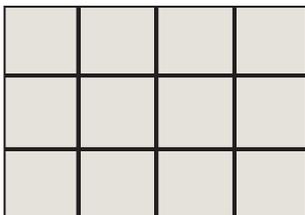
Spread fine dry sand over the pavers and sweep into gaps until filled, and compact. Compaction is best done with a vibrating plate compactor with an old piece of carpet placed between the compactor plate and the pavers to avoid chipping.

Sweep more fine dry sand across paving and work into gaps. Repeat compaction until gaps are completely filled.



Compact sand into gaps

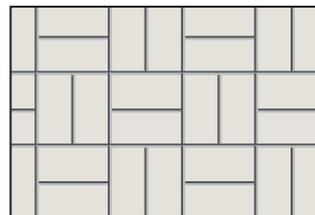
PATTERNS



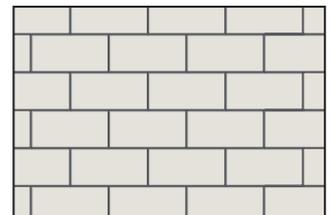
STACK BOND



HERRINGBONE*



BASKETWEAVE



STRETCHER BOND

* Herringbone is the only pattern recommended for driveways using small format pavers.



Helpful Hints

Delivery

Paving the way for a smooth delivery

Delivering your pavers is the exciting first step in the construction process. Here are a few simple guidelines to help us help you.

- **Deliver ahead of time** The first delivery should take place at least a day before work commences, otherwise time may be lost on site due to waiting. Give us at least 48 hours notice for subsequent deliveries.
- **Take as many pavers as you can in a delivery** A full load ensures priority delivery and efficient on-site blending.
- **Help us find you** Give a clear street address, including the nearest crossroad. Tell us of any obstacles such as a narrow, dead-end or one-way street, weight restrictions, clearways, and nearby schools or hospitals. Place a job site sign prominently.
- **Ensure site access** Tell us beforehand if there is difficult site access or if the site is locked. If you require us to enter through neighbouring land, it's your responsibility to get prior, written permission.
- **Where do you want them?** We need to know **before delivery** if packs need to be placed around the site – use signs to indicate placement. Don't allow paver types (colour or quality) to be mixed. Discuss which pavers go where with the site supervisor or your paving contractor.
- **Pavers are heavy!** A tractor with a paver pack weighs about five tonnes. Ensure the ground (including underlying pipes) and any pavement traversed can sustain this weight. Our tractors need at least 2.5 m clear width and 2.6 m height clearance.
- **Safety first and last** Ensure children and pets are out of the way during delivery. Our driver has the final say when it comes to safety and possible site damage.
- **Inspect the delivery** Call Austral Bricks immediately if there are any problems. Product liability transfers to the purchaser once the units are installed.

Blending

Your paving contractor is a professional tradesman and is responsible for ensuring an even colour distribution

This process is called blending. Our pavers are partially blended during packing but this is not sufficient to guarantee a well blended pavement. Blending on site is important whether the pavers are a single colour or multi-coloured.

In summary, the blending instructions attached to all packs recommend:

1. Don't mix pavers of different types or qualities (for example, firsts and seconds).
2. Check any accessories, for example bullnose pavers, for colour matching.
3. Work from at least three open packs of the same paver type and quality.
4. Select the paver from a top corner of each pack.
5. Work progressively from a corner down and across each pack in a diagonal pattern. (Don't remove pavers in horizontal layers.)

Colour variation

The product photographs in this publication are indicative only of the range of colours available. Visit an Austral Bricks Design Centre to view samples and current products before finalising your selection.

PLEASE CONTACT US FOR MORE INFORMATION



PAVE
WORLD

BRICKS & PAVERS

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<p>MORDIALLOC 80 Governor Road, Mordialloc Vic 3195 Ph: (03) 9580 1080 FA X: (03) 9580 1732</p>	<p style="color: blue; font-weight: bold;">FOR ALL YOUR LANDSCAPING & BUILDING REQUIREMENTS</p>