

**Landscape Solutions**  
Paving and Retaining Wall



# Paving - Limestone and Limestone Grande

Atenstone® collection.

Limestone Grand Bullnose



Limestone Pearl Blend



Limestone Pearl Blend



Limestone Honeycomb Blend



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Atenstone® is Adbri Masonry's premium wet cast paving range and comprises Limestone, Fossilstone and the impressive new Limestone Grande. The appearance of natural Limestone improves with time as traffic, climate change and markings gently age and soften the surface.

Limestone is inspired by the timeless natural appeal of the limestone pavements of Ancient Europe. The palette of soft neutral colours offered in this range ensures a variety of choice and pleasing aesthetics when introduced into any environment. By combining quality, soft neutral colours and the strength of concrete, Adbri Masonry has created a unique and highly desirable paving range.

Limestone Grande is a new larger format paver measuring 600 x 400 x 40mm and is available in 3 colours - Pearl Blend, Honeycomb Blend and Graphite Blend. Limestone and Limestone Grande have matching bullnoses for use as pool edges, on steps or to cap walls. The Limestone Grande bullnose has the surface texture continued round the bullnose. These pavers are suitable for pedestrian traffic, however they can be laid onto a concrete sub-base for driveways.

For more information please refer to our laying instructions on pages 18 and 19 or refer to the CMAA (Concrete Masonry Association of Australia) Design and Construction Guide MA44.



Limestone Grande Honeycomb Blend

Limestone Grande Honeycomb Blend



Limestone Pearl Blend

# Paving - Fossilstone

Atenstone® collection.

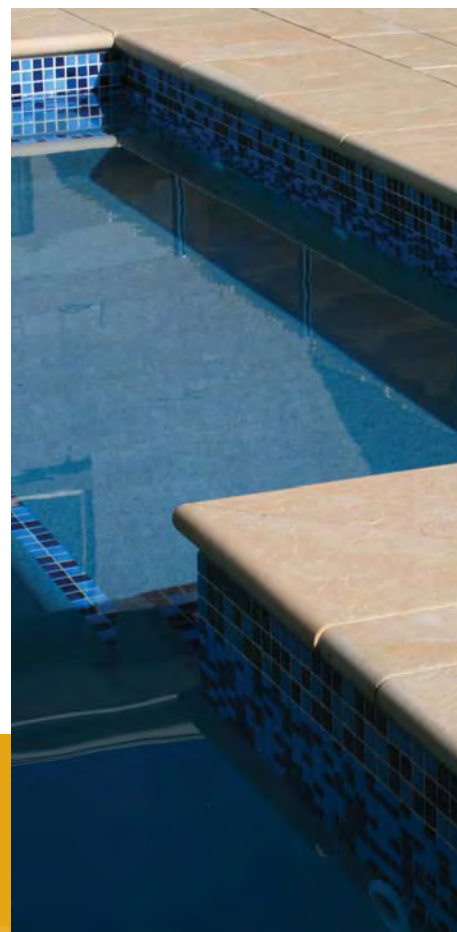
Fossilstone Pearl Blend



Fossilstone Graphite Blend



Fossilstone Honeycomb Blend



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The surface of fossilstone wet cast pavers has the detail of naturally distressed European pavements, which gives an authentic aged slate look. The concrete composition of these natural looking paves ensures strength and longevity is maintained, with pavers capable of withstanding the elements.

Fossilstone pavers measure 400 x 400 x 40mm and have a matching bullnose paver for use as pool edging, on steps and to cap walls. This range is available in 4 neutral shades.

Fossilstone pavers are suitable for pedestrian traffic; however if installed correctly onto a concrete sub-base they can be used for driveways.

For more information please refer to our laying instructions on pages 18 and 19 or refer to the CMAA (Concrete Masonry Association of Australia) Design and Construction Guide MA44.

# Product Guide - Atenstone®

Type	Size (mm)	No. per m <sup>2</sup>	No. per tonne	No. per pallet	Applications
Limestone Grande	600 x 400 x 40	4.16	46	72	Pathways, Patios, Steps, Pool Edges, Domestic Driveways (laid onto a concrete sub-base)
Limestone Grande Bullnose	600 x 400 x 40	1.66 per L/m	46	72	
Limestone	400 x 400 x 40	6.25	75	108	
Limestone Bullnose	400 x 400 x 40	2.5 per L/m	75	108	
Fossilstone™	400 x 400 x 40	6.25	75	108	
Fossilstone™ Bullnose	400 x 400 x 40	2.5 per L/m	75	108	

Limestone Grande is now available in a new large format (600 x 400 x 40mm).

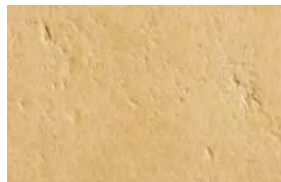
Adbri Masonry strongly recommend that the Atenstone® range of pavers be installed on a mortar bedding due to slight thickness variations.

## Colour Chart - Limestone and Limestone Grande

Pearl Blend\*



Sorrento



Honeycomb Blend\*



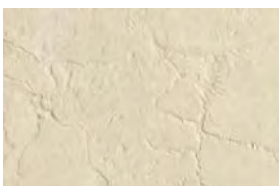
Graphite Blend\*



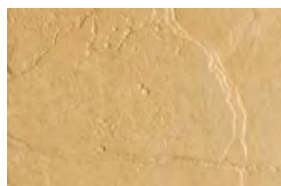
\*Limestone Grande is only available in Pearl, Honeycomb Blend and Graphite Blend.

## Colour Chart - Fossilstone

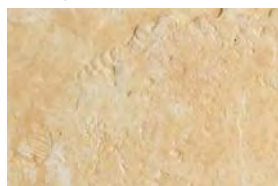
Pearl Blend



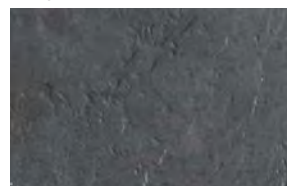
Sorrento



Honeycomb Blend



Graphite Blend



# Paving

New! Large format paving and colours.

Stradascape® Oatmeal®



Boulevard® Mocha



Stradapave® Fossil



A new palette of natural tones has been introduced to the Adbri Masonry paving range. This increased variety further adds to the appeal of these multi purpose big, bold pavers.

The paving range has also expanded to meet the ever evolving demands of today's landscape architects and designers. The expanded range includes offerings capable of transforming aging backyards into a contemporary modern sanctuary. With these large format pavers being the perfect product to bring to life any backyards design.

Boulevard is the latest paver in this range measuring 600x300x50mm with stradascape™, another popular paver in this range measuring a mighty 450x300x50mm.





# Paving

Fresh strong colours.

Stradapave® Oatmeal™



Stepstone Sunstone™



Stradascape® Fossil



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The Adbri Masonry range of paving products provide unique, practical and beautiful landscape solutions. Fresh strong colours are the hallmark of this range, colours that blend or contrast naturally with any existing landscape or structure alike.

These landscaping pavers have been carefully selected to provide extensive choice, reliable quality and practical installation for the trade or home handy person.

# Paving

Stradapave® Oatmeal™ with Havenbrick® Charcoal inlay



AB Classic Bondi Blend® Retaining Wall

Stradapave® Oatmeal™



Stradapave® Oatmeal™



The Adbri Masonry paving range encompasses pavers beginning at brick size and moving all the way through to large format pavers. Many of these pavers are sized in modules of 100mm meaning that pavers will run in sequence of 100, 200, 300 and 400mm measurements. Modular sizing facilitates the practical combination of different sized pavers into the one pavement, giving greater flexibility to design, that incorporates contrasting styles or colours as inlays, borders or highlights.

Stepstone Sunstone™



# Paving

Havenslab® Sunstone™



Stradapave® Charcoal with Havenbrick® Oatmeal™ inlay

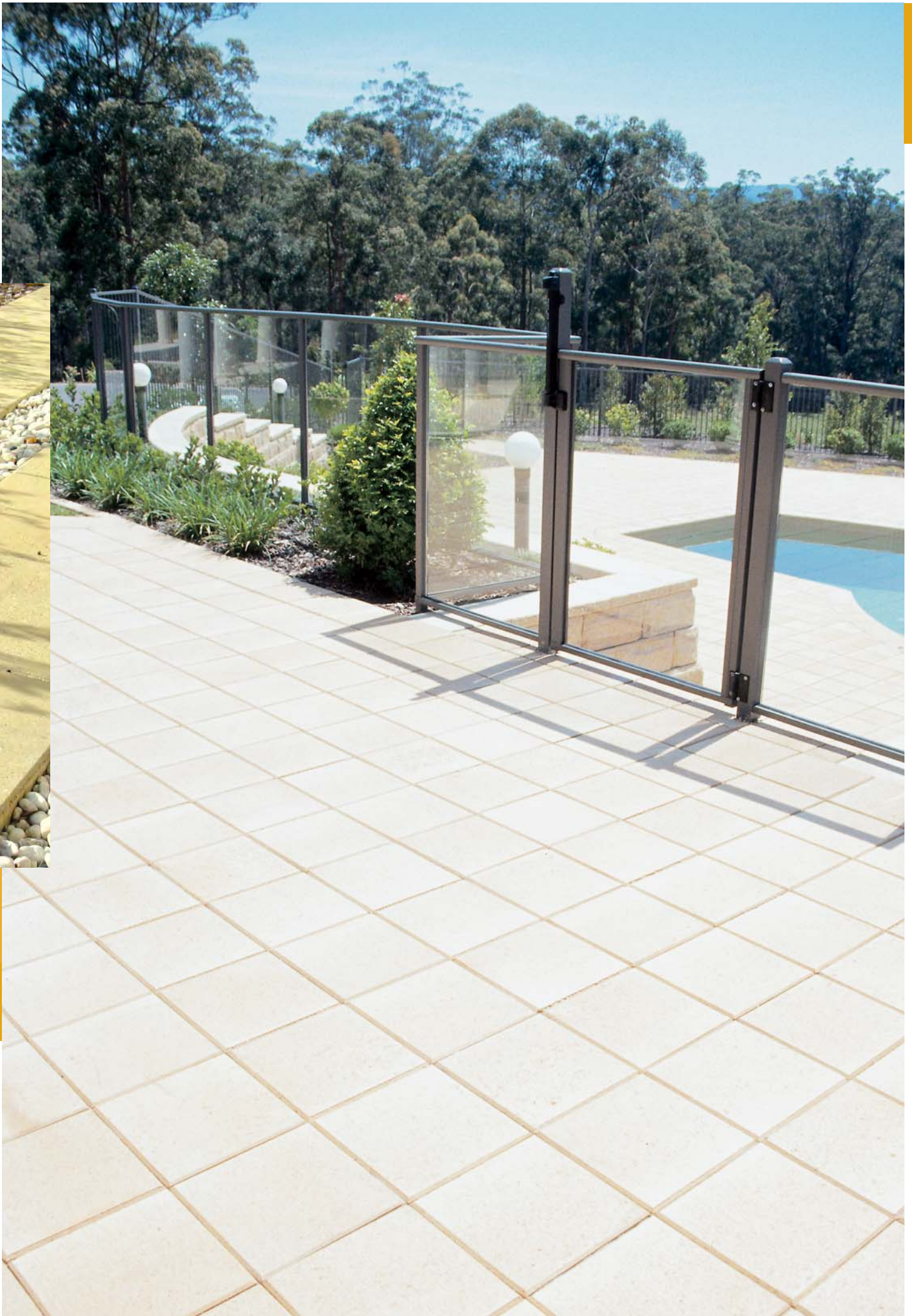


Stepstone Oatmeal™



Most Adbri Masonry pavers come with choice of thickness to differentiate between pedestrian and domestic driveway applications. Many paving projects incorporate a combination of driveway and pedestrian areas and the paving range allow the astute buyer to purchase the right paver for the right job.

Using thinner pavers for pedestrian areas saves on excavation, and the cost of pavers, thinner pavers are also lighter and easier to handle, making them practical for the DIY Handyman.

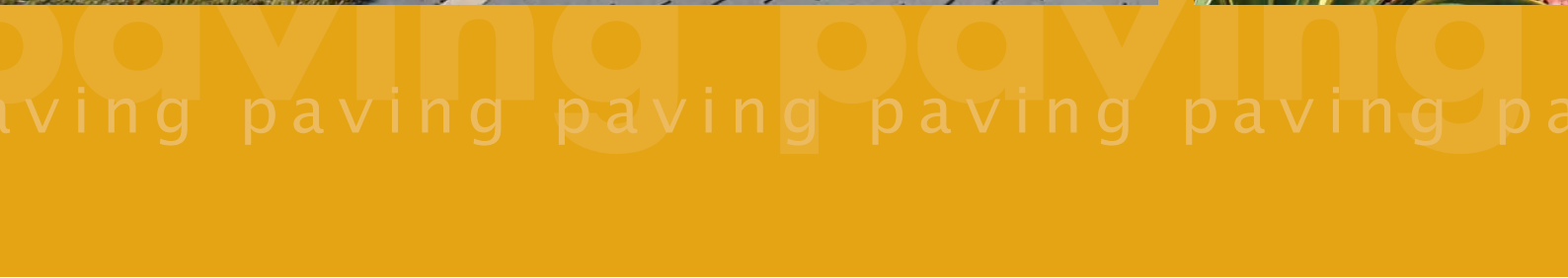


# Paving

Havenbrick® Charcoal with Oatmeal™ inlay



Havenbrick® Charcoal



The additional range of capping and edging product's are important accessories in completing many paving projects. Cappers for low height walls and bullnose pavers for steps and pool edges provide for a professional finish.

The renowned range of retaining wall systems will complement any landscape and blend beautifully with your Adbri Masonry pavers.








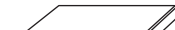
Importantly, all Adbri Masonry landscape products must be installed properly and maintained if they are to stay in pristine condition. Adbri Masonry have the products but it is essential to follow the recommended installation instructions or engage a professional tradesperson.




Havenslab® Charcoal with Havenbrick® Charcoal border

Stradapave® Oatmeal™ Bullnose and Paving with Havenbrick® Charcoal inlay

# Product Guide - Paving

Products	Type	Size (mm) w x h x d	No. per m <sup>2</sup>	No. per tonne	No. per pallet	Applications	Colours						
							Oatmeal™	Sunstone™	Terracotta	Mocha	Fossil	Port Blend	Charcoal
	Havenbrick® 40	200 x 100 x 40	50	589	864	Pathways/Patios/ Borders	▪	▪	▪			▪	▪
	Havenbrick® 50	200 x 100 x 50	50	474	864	Pathways/Patios/ Borders/ Domestic Driveways	▪	▪	▪			▪	▪
	Havenpave® 40	200 x 200 x 40	25	296	432	Pathways/Patios	▪	▪	▪			▪	▪
	Havenslab® 40	400 x 200 x 40	12.5	145	216	Pathways/Patios	▪	▪	▪			▪	▪
	Stradapave® 40	300 x 300 x 40	11.1	130	192	Pathways/Patios/ Steps	▪	▪	▪			▪	▪
	Bullnose*	300 x 300 x 40	3.3 L/m	130	192	Steps/Pool Edge	▪	▪	▪			▪	▪
	Stradapave® 50	300 x 300 x 50	11.1	104	192	Pathways/Patios/ Steps/Domestic Driveways	▪	▪	▪			▪	▪
	Bullnose*	300 x 300 x 50	3.3 L/m	104	192	Steps/Pool Edge	▪	▪	▪			▪	▪
	Stradascape®	450 x 300 x 50	7.4	68	120	Pathways/Patios/ Steps	▪	▪				▪	▪
	Boulevard®	600 x 300 x 50	5.56	52	88	Pathways/Patios/ Steps	▪	▪		▪		▪	▪
	Stepstone 50	400 x 400 x 50	6.25	54	99	Pathways/Patios/ Steps	▪	▪	▪	▪	▪	▪	▪
	Plateau	480 x 480 x 50	4.33	37	44	Pathways/Patios/ Steps	▪	▪					▪

\*Full Rounded Bullnose 

# Colour Chart - Paving

Oatmeal™



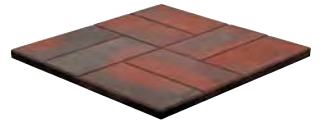
Sunstone™



Terracotta



Port Blend



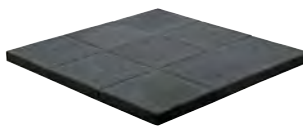
Fossil



Mocha

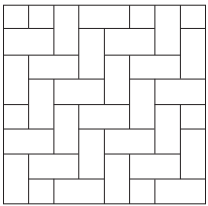


Charcoal

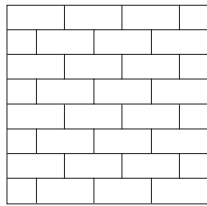


# Patterns of Laying - Paving

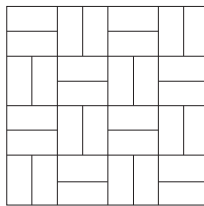
90° Herringbone



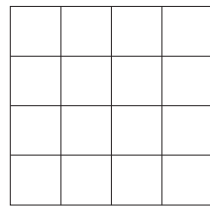
Stretcher Bond



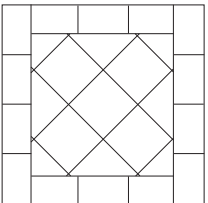
Basketweave



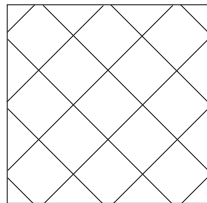
Stackbond



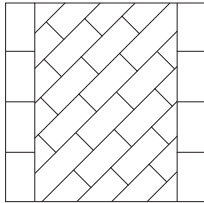
Diamond with flat header course



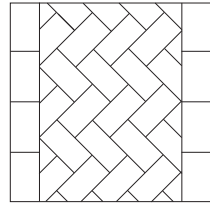
Diamond



45° Stretcher Bond with flat header course



45° Herringbone with flat header course



# Residential Paving Installation

Adbri Masonry Pavers can be laid by two methods; Rigid Installation (with a concrete basecourse) or Flexible Installation (a granular basecourse). Properly constructed rigid pavements can be more stable where soil conditions are poor, (e.g. reactive or poorly drained clay).

Drainage is most important for a successful paving project. Care must be taken to grade the basecourse and the finished pavement level at a minimum gradient of 2% (or 100mm per 5.0 lineal metres). Refer to the CMAA's MA44 document for further drainage details.

The laying of pavers on a sand bed on a concrete slab is not addressed in this brochure. It can be done, but efflorescence staining can occur on pavers laid in this manner if there is inadequate drainage of the concrete slab.

For further information please refer to: Adbri Masonry Paving Installation Guide at [www.adbrimasonry.com.au](http://www.adbrimasonry.com.au) and Concrete Masonry Association of Australia (CMAA) Guidelines at [www.cmaa.com.au](http://www.cmaa.com.au): - T45 Concrete Segmental Pavements - Design Guide for Residential Accessways and Roads, MA44 Concrete Flag Pavements - Design and Construction Guide.

*Note: The following is a guide only and in no way replaces the services of a professional design consultant.*

## Flexible Installation

**Step 1. Excavation:** Excavate your area to allow for a granular\* basecourse, (75mm for pedestrian traffic and 100mm for driveways **after** compaction), plus 20-25mm of washed coarse bedding sand plus the thickness of the paver. Note: Pavers for driveways should be at least 50mm thick.

*\*Class A road-base or 20mm graded crushed rock are suitable materials.*

**Step 2. Compact the Basecourse:** Place the granular basecourse to the desired depth and compact using a vibrating plate machine. Ensure your basecourse is firm and of uniform thickness. If the area needs to be built up then do so in compacted 75mm layers. Up to 5% of cement can be blended in to the granular basecourse for more stability if required.

**Step 3. Bedding Course:** Spread clean coarse bedding sand over the compacted basecourse to a depth of 25 - 35mm and screed to a flat even surface.

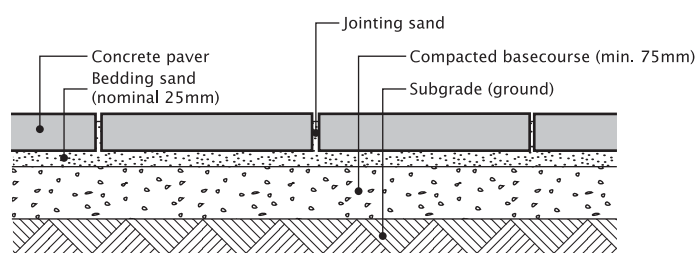
**Step 4. Lay the Pavers:** Begin laying pavers from one corner, utilising a string line to keep the lines straight. Don't walk on the sand, walk on the pavers already laid.

**Step 5. Edging:** Edge restraints are essential to prevent lateral movement of the paved area and must be installed prior to the application of the jointing sand. Refer to the Edging section for details.

**Step 6. Joints:** Adbri Masonry pavers in this application should be laid with a 3 - 4mm gap. Fill this joint with a fine washed sand or specialised jointing sand as the paving proceeds. This will minimise movement in the pavers when compacting.

**Step 7. Final Compaction:** To compact the pavers place a flat heavy board across the pavers and hit with a rubber mallet. For pavers of 50mm depth or greater, a vibrating plate machine should be used for the best results (more jointing sand should be added as pavers are compacted). It is recommended a piece of carpet be placed under the plate to protect the pavers from chipping.

## Flexible Installation



Typical Cross Section

## Rigid Installation (recommended for all Atenstone® installations)

**Step 1. Excavation:** Excavate your area to allow for a 75mm thick, (or 100mm for a driveway) concrete slab, (rough screeded 20MPa grade with SL62 reinforcement at mid-depth and contraction joints at 3 metre centres), plus 15-25mm of mortar plus the thickness of the paver.

*Note: Pavers for driveways should be at least 50mm thick. The concrete should be wet cured for at least 7 days before laying.*

**Step 2. Apply the Bond Coat:** Prepare a cement slurry by mixing 6 parts fine washed sand to 1 part cement. Apply a thin coat (about 1mm) to the working area of the slab with a broom and to the underside of each Adbri Masonry paver just prior to laying.

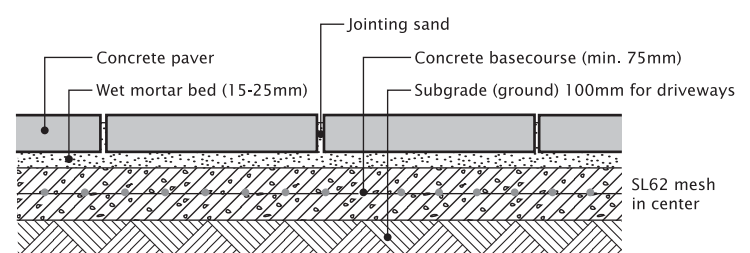
**Step 3. Lay the Pavers:** Using a string line to keep the lines straight, lay the pavers on a wet mortar bed of 15-25mm thickness. Mortar should be mixed at a ratio of 3 parts washed concrete sand to 1 part cement. Do not make the mortar too wet. The mortar should be stiff enough to make a fist sized ball which holds its shape. Pavers should be laid to form a smooth finished surface by using a level and lightly tapping with a rubber mallet.

*Note: Do not add extra water to retemper any stiffening mortar. Make a fresh batch instead; enough to last 30 - 45 minutes laying.*

**Step 4. Joints:** Adbri Masonry pavers can be laid butt-jointed, however a fine washed sand or specialised pavement sand is recommended to fill any small gaps. For wider joints, (e.g. >4mm) a non-shrink grout may be used, but be careful not to smear any on the pavers. If any does get on wash off quickly with water and a clean sponge.

*Notes: Do not bridge pavers over the contraction joints in the concrete. Pavers must be cut and the joints filled with a flexible compound as per Engineers specifications. If any mortar is spilled on the pavers during installation remove immediately using a clean sponge and water. Do not traffic finished pavement for 72 hours.*

## Rigid Installation



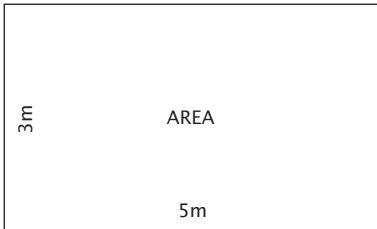
Typical Cross Section

### Calculate Pavers Needed

The quantity of pavers needed will depend on the area to be paved, and the paver chosen.

Work out the area to be paved in square metres. Length(m) x width(m) = area(m<sup>2</sup>)

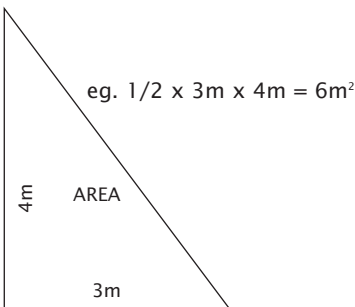
#### For rectangular areas:



eg. 3m x 5m = 15m<sup>2</sup>

#### For triangular areas:

1/2 x base(m) x height(m) = area(m<sup>2</sup>)



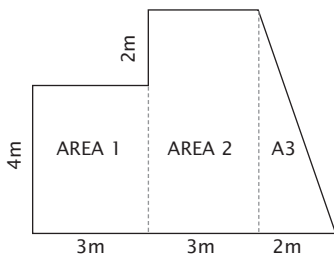
#### For odd shaped areas: break into sections.

Area 1: 4m x 3m = 12m<sup>2</sup>

Area 2: 6m x 3m = 18m<sup>2</sup>

Area 3: 1/2m x 6m x 2m = 6m<sup>2</sup>

**Total area to be paved = 36m<sup>2</sup>**



#### Notes:

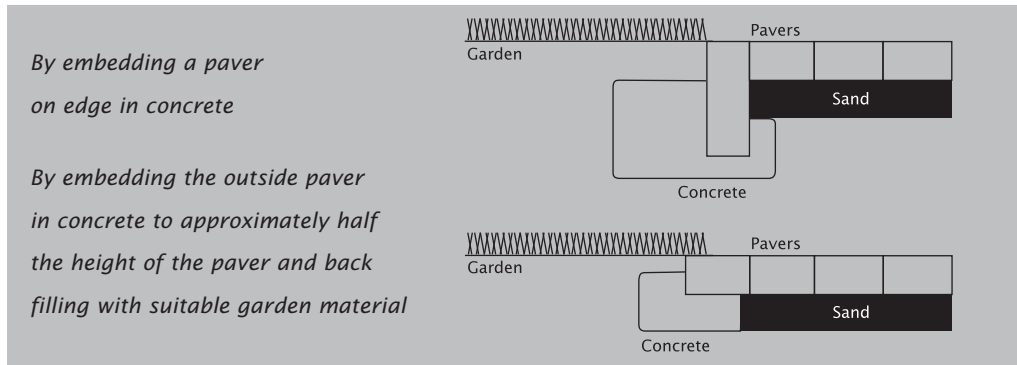
- For those who calculate using feet and inches calculate the total area into square feet by using the same method as above and then multiply by .0929 to convert to square metres
- When calculating pavers needed add an additional 3-5%. Allowing for complexity of the design, cuts and breaks.

### Paver Cutting

You will generally find that some cutting of pavers will be required to fit into specific areas. An angle grinder with a masonry blade is suitable for good results. On jobs where a high number of cuts are required or the paving units are large, it is easier to hire a brick saw with a diamond blade - remember ear muffs, eye protection and a mask.

### Edging

It is important to have a good edge restraint to stop the pavers from spreading and to ensure that the bedding sand is not washed away. Here are two general techniques.



### Swimming Pools

- Adbri Masonry pavers meet Australian slip resistant standards, making them ideal for swimming pool surrounds.
- Adbri Masonry pavers while being strong and durable have a soft feel, making them comfortable under bare feet or for sitting along pool edges.
- Adbri Masonry manufacture some pavers specifically for salt resistant applications, necessary for around salt chlorinated swimming pools. This range varies between States so please consult your local Adbri Masonry distributor or Adbri Masonry product guide for specific localised advice.
- For added protection Adbri Masonry recommend sealing pavers likely to be subjected to salt attack.

### Maintenance

Pavers will require some ongoing maintenance to keep looking in a pristine condition. Dirt and dust should regularly be removed whilst any weed growth should be sprayed and controlled. Ants should not be allowed to nest in base materials.

### Cleaning

All pavers will require cleaning from time to time. Oil, rust, efflorescence and other stains can detract from the appearance of the paver. Proprietary cleaning products for concrete pavers (and retaining walls) are readily available. Please contact your local distributor or Adbri Masonry for further information. **Do not use Hydrochloric Acid.**

### Sealing

If a more protective surface is required then Adbri Masonry suggest you seal your paving. There are a number of sealers specifically for concrete paving so please contact your local distributor or Adbri Masonry for further information.

*Note: All coloured product should be ordered at the one time to reduce the risk of batch variation. No claims will be accepted once product has been installed.*

## PLEASE CONTACT US FOR MORE INFORMATION



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