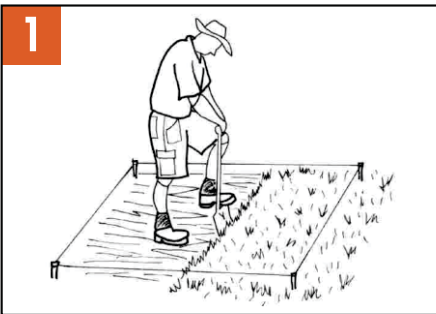


# How to Pave

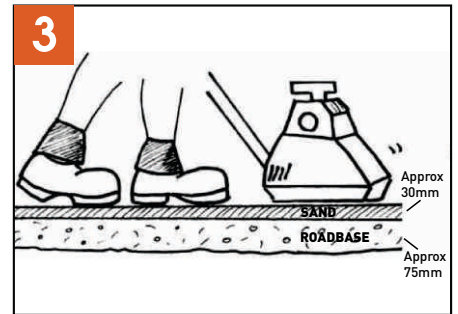




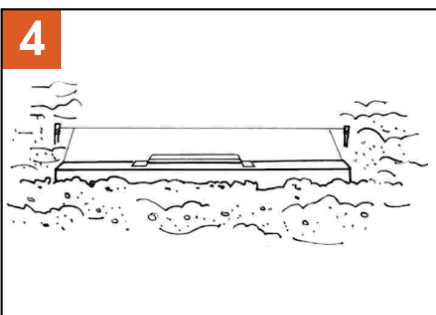
1 Prepare an area large than the paved area required. Clear area of all vegetation bark or soft soils. Check that finished height is not going to be higher than a door opening. Use Dia. 9 as a reference.



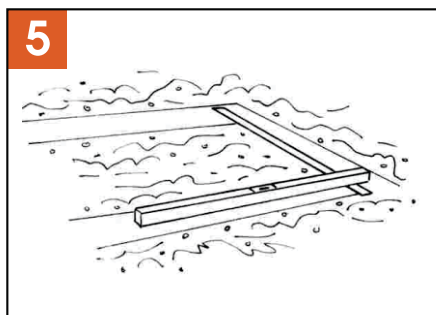
2 Lay road base and compact with a plate compactor. If the road base is very dry add a little water. If thicker than 100mm compact in layers. (55-75mm for a walkway, 150-200mm for a drive way), if laying on clay or fine sand use geo-fabric first.



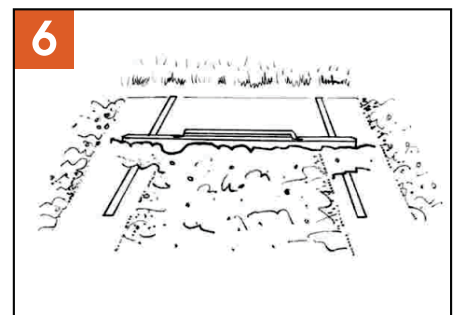
3 Level & compact 30-40mm of washed medium sand.



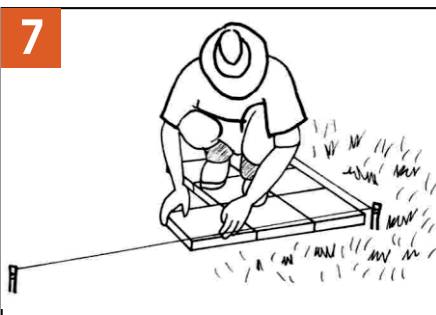
4 Using a screed, level an area to start from. For larger area's break them up into smaller & easier area's to manage.



5 Lay a screed rail on your prepared area & using it as a guide screed at 90 deg allowing for a slight fall. Repeat again to the length of screed.



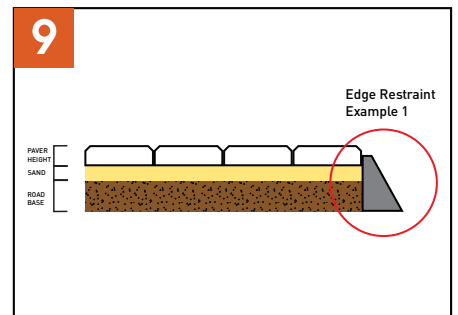
6 Lay the screed rail where just prepared. Place the screed on the rails & using a sawing motion pull the screed towards you. For larger area's simply repeat the process.



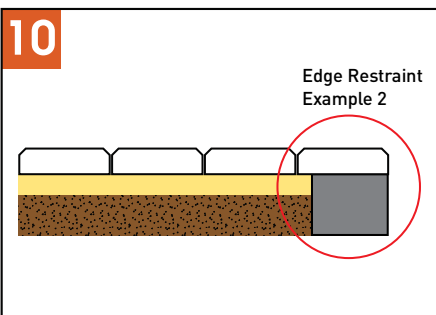
7 Set up a string line to suit the pattern you are going to lay & start laying.



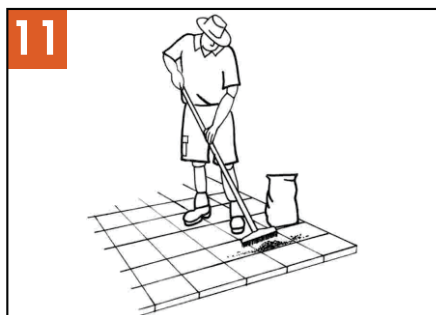
8 Using a space remove the excess road base & sand as you need to use and edge restraint on all the exposed edges. Note it's very important to restrain the paver, sand & road base.



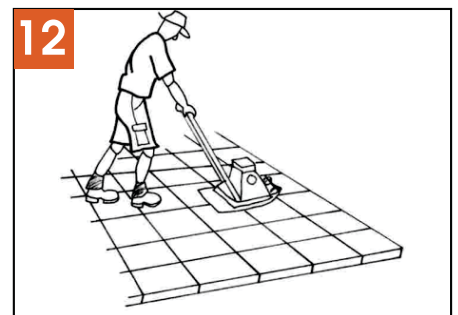
9 Edge restraint example 1 - Using the left over sand, mix with cement at a 4:1 ratio (4 shovels of sand to 1 shovel of cement).



10 Edge restraint 2 - Create a cement beam approx 100mm in from the edge of the paver. Sprinkle beam with cement & lay the paver on the beam. This will lock the paver to the beam giving you a high quality edge ideal for the garden or grass to grow up to.



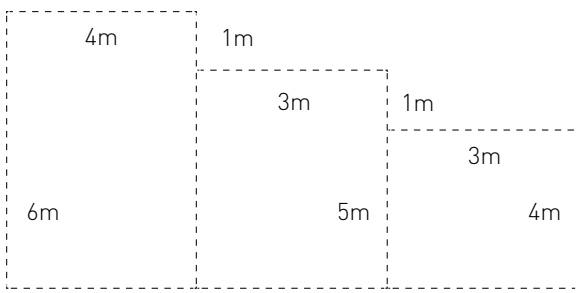
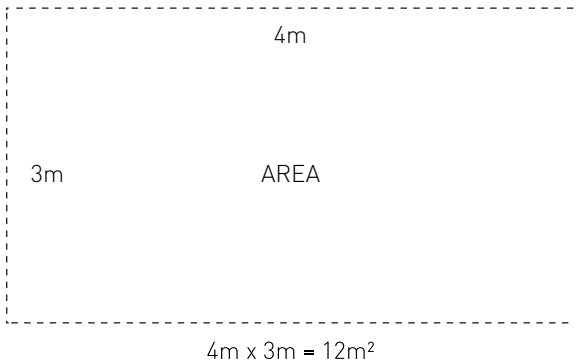
11 Always use kiln dried sharp gap sand. Ask for gap sand with additives that go hard as this will help prevent weeds & ants.



12 With a piece of carpet tied to the front of the compactor vibrate the pavers. This will lock in the gap sand & help to level any high spots. For small area's a thick piece of timber & a mallet will do the job.

### Quantity of Pavers Required

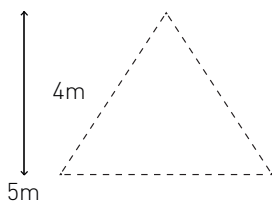
Measure your area to be paved to determine quantity of pavers required. This area is simply calculated by length (m) x width (m) = area (m<sup>2</sup>) for basic square or rectangular spaces (m=metres).



Area Total (4m x 6m) + (3m x 5m) + (3m x 4m) = 51m<sup>2</sup>

#### For triangular area:

1/2 x base (m) x height (m) = area (m<sup>2</sup>)  
 e.g. 1/2 x 5m x 4m = 10m<sup>2</sup>



Allow up to 10% extra for wastage such as cuts & breakages.

### Estimating Materials Required

#### BOTTOM LAYER: ROAD BASE

A base layer of road base will create a firm foundation for the paving. Spread road base around the entire area to a total depth of 100-150mm in 50mm layers compacting between the layers for driveways or 50-80mm for pathways.

1m<sup>3</sup> will cover 9m<sup>2</sup> when compacted to 100mm.  
 1m will cover 18m<sup>2</sup> when compacted to 80mm.

\_\_\_\_\_ m<sup>2</sup> (area) x 0.1 = \_\_\_\_\_ m<sup>3</sup> ROAD BASE

### Estimating Materials Required

#### MIDDLE LAYER: BEDDING SAND

Lay bedding sand evenly over the area to a depth of 40mm. 1 cubic metre will cover approximately 20m<sup>2</sup> to a depth of 40mm.

\_\_\_\_\_ m<sup>2</sup> x 0.04 = \_\_\_\_\_ m<sup>3</sup> BEDDING SAND  
 (The area your are paving) to a depth of 40mm.

#### TOP LAYER: PAVER JOINT FILLING SAND

When you lay pavers, it is recommended that joint fill sand is broomed into the gaps.

A 20kg bag should cover approximately 25m<sup>2</sup>. Always use kiln dried sharp gap sand.

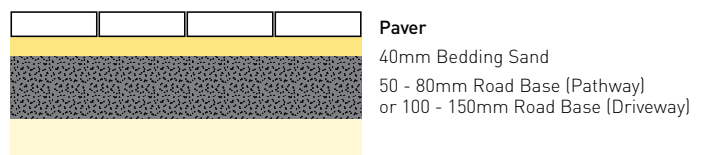
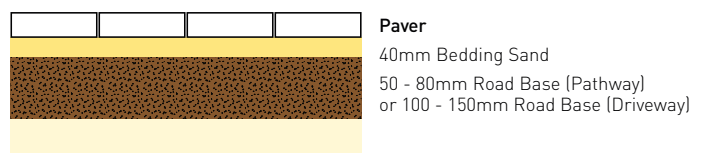
\_\_\_\_\_ m<sup>2</sup> (area) ÷ 25  
 = approx. \_\_\_\_\_ 20kg bags PAVER JOINT FILLING SAND

#### RESTRAINING EDGE: PRE-BAGGED CEMENT AND SAND MIX

To keep all the pavers securely in place you need to make concrete restraints around the edge of your pavers. You can easily make this with a mixture of concrete block and cement. 1 cubic metre of concrete will cover 20 linear metre of restraint and 6 bags of cement are needed to make 1 cubic metre of concrete.

\_\_\_\_\_ m/0.005 = \_\_\_\_\_ m<sup>3</sup> CONCRETE BLEND  
 (Length of restraint are you'll need around paved area)

\_\_\_\_\_ m<sup>3</sup> x 6 = \_\_\_\_\_ BAGS OF CEMENT  
 (Concrete blend)

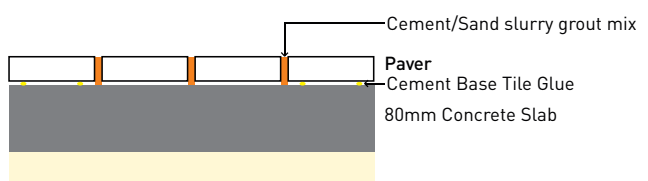


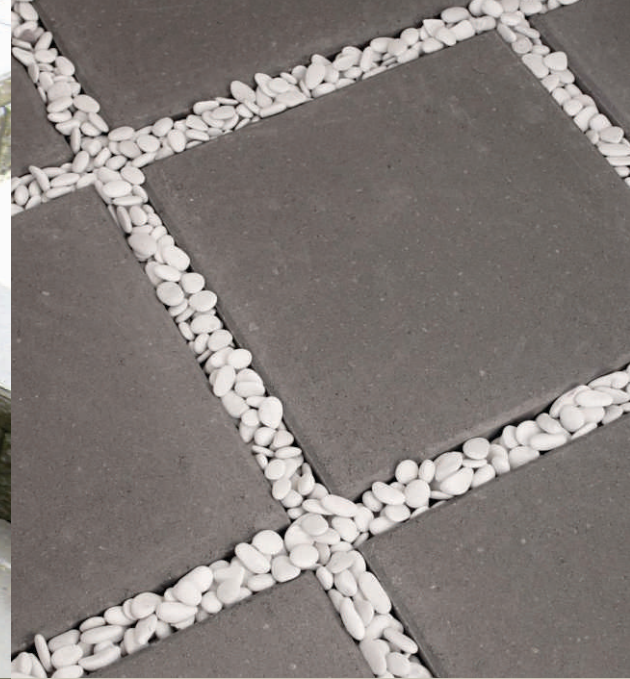
#### LAYING PAVERS ON CONCRETE BASE

##### 400x400 PAVER



#### ALL OTHER SIZE PAVERS





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