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VIENNA COBBLE INSTALLATION INSTRUCTIONS v2 Vehicle Areas

STEP 1 – Planning

- Measure and mark out the areas perimeter. Make notes of the perimeter measurements and any obstructions onto a diagram.
- Draw onto the diagram your design / layout of the cobble. For more detailed instructions download our document relevant to the intended use and type of cobble being installed (i.e. If you are installing Cobblestone Straights for your driveway then download the “Driveway Using Cobblestone Straights”)

STEP 2 – Equipment

- You will need the following items;
- Bricklayers String
- Broom
- Brush (if you intend to apply the sealant yourself)
- Compactor
- Spirit Level
- Screed board - can be a straight rectangular tube or 4x2 piece of wood.
- Screeding Irons

STEP 3 – Materials

Soil & Cobble

- To work out the area to be paved in square metres multiply the length by the width EG. 4sqm x 5sqm = 20sqm.
- As general rule of thumb you should allow 15% extra for wastage and interlocking of sheets. It's better to have spare pavers than to run out and be unable to complete the job. This % can vary depending upon your area, design layout and whether you will be interlocking the cobble sheets.
- For trafficable areas you will require 105mm road base and 35mm bedding sand. Road base can be purchased from a soil yard or limestone quarry and bedding sand can be purchased from a soil yard. To calculate the volume of sand and road base required (in cubic metres) multiply the area to be paved by the thickness of the bedding sand or road base required.

Cobble Infill

- To infill the gaps between the cobblestones we recommend either Cracker Dust or Pave-Lok Gel Set. Pave-Lok is lightly bonded jointing sand specially formulated to allow rapid filling of vertical joints between flexible pavers. The benefits of Pave-Lok is that it helps retain integrity and stability of the joint, minimises rain and wind erosion, retards weed growth and is quick and easy to apply. There are similar, cheaper products to Pave-Lok on the market, however there have been problems reported with the material setting properly. One 20kg bag of Pave-Lok covers approximately 2.2sqm of cobble and is stocked by most of our resellers (see europave.com.au for our resellers list) or can be purchased directly from Europave.
- Cracker Dust is a fine crushing of local blue metal, also known as Crusher Dust or Blue Metal Dust and can be used as infill for the cobblestones. It is considerably cheaper than Pave-Lok and also more porous, hence suits areas requiring good water drainage, such as an area where you want to park and wash a boat. Some people also prefer the colour of Cracker Dust (Grey) versus the sandstone colour of Pave-Lok. Cracker Dust is more prone to weeds and is not suited to sloped areas where heavy runoff will wash the material free.

Sealant

- We recommended that a good quality sealant should be applied to the Cobble, after installation. A sealant helps protect the cobble from scratching, chipping and stains. Some people prefer not to apply sealant as it gives the cobble a more rustic, natural appearance. There are several different types of sealants available depending upon the look you want. A high gloss sealant will give the cobble a wet look, **however if the area is a walkway then it will be important to use a non-slip variety**, as they can become very slippery when wet. A matt finish sealant will give the cobblestone a more natural appearance.

- If you are going to apply the sealant yourself we recommend either Crommelin's Concrete Paving Sealer, for a high gloss appearance or Wet Look Paving Sealer for a matt finish. These can be purchased from Bunnings with approximately 4 Litres covering 20sqm.

STEP 4 – Preparation

1. Prepare the site by clearing any rubbish, old structures, weeds and grass, etc.
2. You'll also want to make sure that your paved area slopes away from your house and other structures to prevent flooding in heavy rain. The ideal slope is 25mm over 3m. If you are using a spirit level, then align the inside of the bubble with the outer line to approximate this slope.
3. Excavate the area by removing the topsoil to a depth of 175mm to accommodate road base, sand and cobble.
4. Make sure the ground is firm and level. Any soft spots should be dug out and filled with gravel or road base and then well compacted.
5. After excavating use a plate compactor to compact the area. Then spread road base evenly over the area and compact to a depth of 100mm (note this will compact by roughly 5mm).
6. Spread bedding sand evenly over the area and compact to a depth of 30mm (note this will compact by approximately 5mm).
7. Starting at the high point of your paved area create a smooth channel in the sand to place one of your screeding irons, using your spirit level to ensure the correct slope. Repeat this a few meters away (less than the width of your screed).
8. Move the screed along the screeding irons, moving away excess sand and filling in any holes as you go.

STEP 5 – Laying

1. For more detailed design and laying instructions, download the document relevant to the intended use and type of cobble being installed (i.e. If you are installing Cobblestone Straights for your driveway then download "Driveway Using Cobblestone Straights")

STEP 6 - Joint Filling

1. The Joint Filling and Compacting applies whether you are using Pave-lok or Cracker Dust as a filler
2. Spread Pave-lok over the cobblestone * it must be dry * and sweep into gaps with a broom.

STEP 7 – Compacting

1. Once the Pave-Lok is swept in your pavers should be compacted to secure the paving in place. Compact the pavers using a plate compactor with a piece of carpet under the compactor to prevent the pavers from being scratched, chipped or damaged.
2. Once fully compacted with Pave-Lok in the joints sweep off excess Pave-Lok ensuring none is left on the pavers.

STEP 8 – Setting Joint Filling (Skip If Using Cracker Dust)

1. Spray lightly with a hose to wash off excess Pave-Lok into the gaps and to wet the mix. Apply water a little at a time until thoroughly wet. It is very important that the Pave-lok is wet through out, so that it properly sets
2. Leave overnight and repeat.
3. **VERY IMPORTANT** Keep off the paving for 24 hours to enable the Pave-Lok to dry and set. **Do not walk on the paving.**

STEP 9 – Sealing

1. If you seek a contractor to do the sealing we recommend West Coast Surface Coaters on 0418 924 930. They can provide the non-slip varieties of sealant, suitable for pathways.
2. If you want to apply the sealant yourself, then clean the cobblestone with low pressure spray gun before sealing. Apply sealant as per sealant instructions.

Questions

If you have any questions regards the installation method, please call or email us.