

Additional precautions to be taken when paving with Cem Bricks Grinded matt or Polished Pavers & Cem Brick Flagstones

Please refer to our Cem Brick paving manual available on our website, www.cembrick.co.za for full installation measures and to the additional precautions in this insert.

Section 4: Laying of bedding sand

With reference to Section 4 of our Cem Brick paving installation manual.

The following additional precautions must be taken with laying of bedding sand.

Bedding sand should be moist when bedding pavers. (Not saturated with water, just moist). The sand should contain 4-8% moist. The sand bed must be laid slightly in advance of placement of the units but only to the extent that the particular area of paving can be completed on the same day. With the sun baking down on the bedding sand, the area prepared should be limited to sections that can be completed whilst the moist remains optimum, the moist content should be continuously assessed on site. When bedding sand becomes dry, it should be raked back into a heap, moistened and spread out again.

To check whether the bedding sand is sufficiently moist, squeeze a handful of sand. It should compact into a ball, but no water should escape between fingers.

The principle is to ensure you lay pavers on a bed of moist sand. Moist bedding sand will allow pavers to “bed” in. This is crucial to create a smooth, even paved surface.

Why is it crucial to install pavers on a bed of moist bedding sand of the correct grading and thickness?

- A paved area should be smooth and even, with no high or low pavers. Dry bedding sand will not bed pavers evenly.
- Paving should not sag when trafficked. Incorrect bedding sand will cause sagging.
- Incorrect or insufficient bedding sand will cause pavers to break and chip.

Section 10: Vibrating Blocks into place.

With reference to Section 10 of the Cem Brick paving installation manual.

The following additional precautions is to be taken when compacting Blocks into Place.



- Make sure the compactor is fitted with a rubber mat (Alternatively CEM BRICK has a Special polyurethane roller plate compactor available).
- Make sure that the whole paved area is swept clean of any and all sand, small rock, debris etc, and the area is super clean before compacting (If there is any sand, rocks or debris it will scratch the paving, causing permanent damage to the aesthetic appearance of the paving.)
- Special, large rubber or polyurethane mallets could be used to bed and compact individual paver in difficult areas.

Section 11: Sweeping in the jointing sands.

With reference to Section 11 of the Cem Brick Paving installation manual.

To fill sands between joints, use bone dry and graded sand swept into the joints with a soft bristle broom. (Do **NOT** compact over the sands).

Sweep back and forth until all joints are completely filled, make sure you use soft bristle broom.

Sweep diagonally across pavers and not along the "lines".

Do not use water to wash in sand between the pavers.

Do not use a mixture of sand and cement. The cement left on pavers will stain the pavers.

Why is jointing with the correct sands and using the right compactor important?

- Jointing sand creates interlock between pavers, which prevent sagging and creeping.
- Pavers interlocked with grouting distributes loads to the layer's underneath.
- Using the incorrect compactor will permanently damage the surface of the paving.
- Using sand under the compactor will permanently damage the surface of your paving.

NB: Section 12 vibrating the jointing sand into the joints of Cem Brick paving manual. Must **NOT be followed.**

- The following additional precautions must be taken with sweeping in the jointing sand

Section 10 and 11 is to be repeated until all joints are properly filled.

Web address where you can find our manual this document refers to

[Cembrick-PAVING-shortened-2021-.pdf](#)

I, _____

the undersigned individual with ID number _____

Confirm receipt of this document.

Signature

Date