

Sinbad Plant Limited

Method Statement For The Use Of Automatic Laser Controlled Dozer And Boschung Compactor Plate - For Stone Sub Base Up To 150mm Thick.

The following will be completed prior to Sinbad Plant Limited arriving on site:

1. The area to be stoned will be completely clear of all materials, plant and debris.
2. All large voids around columns, beams or kerbs will be filled with stone and rolled so that the sub base is within 100mm of the correct level.
3. A datum or datum's will be set by the Client's site engineer for the setting up of the laser equipment.
4. Where concrete pile caps are present on site, the pile tops will be lower than the underside of the concrete slab to prevent damage to the piles and machines.

The Caterpillar dozer and Boschung compactor plate will arrive on site at a time and date to be agreed. The laser equipment will be supplied and set up initially by Sinbad Plant staff.

The stone will be supplied at a rate to be agreed and will be placed as agreed within the area to be levelled. The movement of stone into or out of the area to be levelled is the responsibility of the client.

The tipping of the stone will be directed by Sinbad Plant Limited staff.

The stone supplied will have an optimum moisture content and be well graded to give optimum compaction.

Safety

Personnel will be exposed to hazards whilst working with the machines. These will be of being trapped, run over or airborne dust. To minimise these risks the following Hazard Control Measures should be observed.

1. Only competent operators will use the machines.
2. Machines will have reverse beepers or reversing lights fitted.
3. All non essential personnel will be kept clear of the work area.
4. Any personnel in the work area will wear BSEN471 class 2 High Visibility clothing, safety footwear and safety helmets at all times.
5. All personnel will be aware of the position of the machines at all times
6. Before passing near to any moving machines all personnel will ensure that they have been seen and acknowledged by the machine operator.
7. Personnel will not work close to the machines at any time.
8. If the material is dry or dusty approved dust masks should be worn.

The Levelling Operation

1. The levelling operation will commence with the spreading of a small area of stone to enable checks to be made
2. The Compactor plate will consolidate this area and the levels will be checked.
3. Any necessary adjustments will be made to the laser equipment and the operation will start again from step 1.

The above steps will be repeated until the finished level of the compacted stone is within the agreed tolerances and this level will be agreed with the Client's site engineer.

When the finished level of the stone has been approved the dozer will lay the stone and the Compactor plate follow on behind

The Boschung Compactor will make one pass over each layer of stone and will achieve a compaction factor of approximately 95 - 96% of dry density compaction for stone to D.o.E. type 1 specification.

Stone in excess of 250mm will be laid in layers not exceeding 250mm thick.

An operative (supplied by others) will level stone within 225mm of all projections, kerbs or columns and will work alongside the dozer as the work proceeds.

Where pile caps are present on site it will be necessary to run the machines over the concrete pile caps to spread material.

An operative (supplied by others) will clean off the excess stone from the tops of the concrete pile caps as the machines complete the area.

The Client's site engineer will be required by Sinbad Plant Limited to:

1. Set up the laser and check that it is correctly set to the datum(s).
2. Check the levels and compaction of the finished stone as the work proceeds and confirm approval or otherwise immediately.

The staffing level of Sinbad Plant will be 2 drivers to operate the equipment for the period of the works with the addition of a laser technician to set up the equipment as required during the period of the works.

Training will be given by Sinbad Plant Limited staff to the hirer in the setting up and running of the equipment.

It is the hirers responsibility to set up the equipment after the first day.