

## Tank Installation Instructions

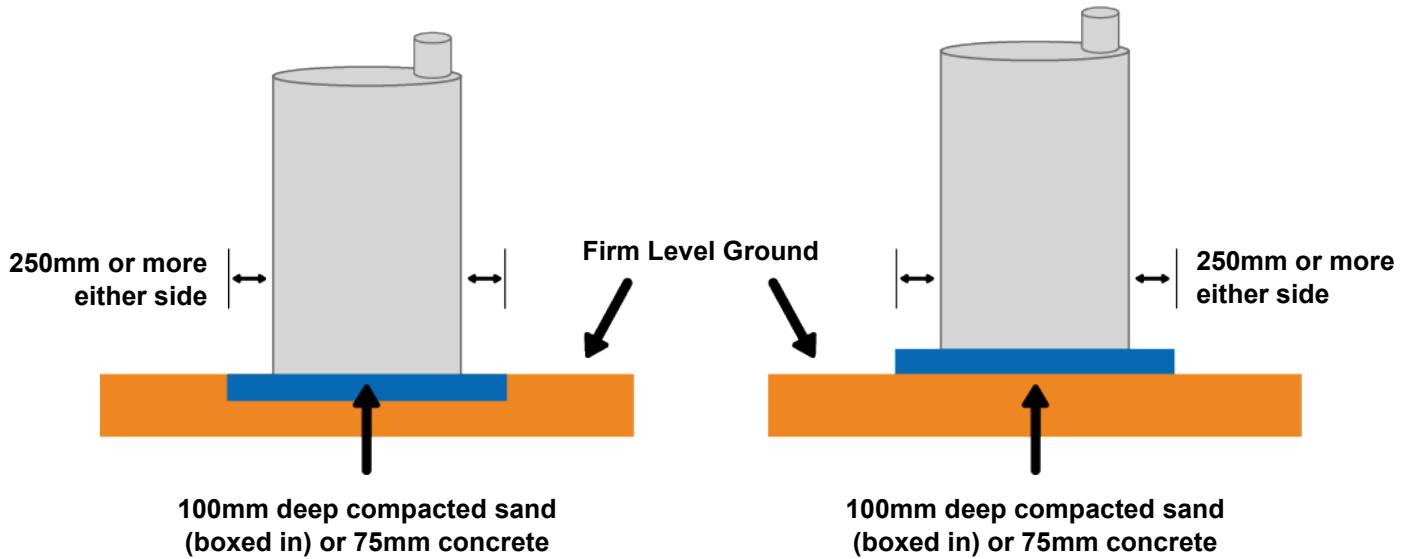
### **Site Preparation**

1. Select an area which is FIRM, LEVEL, STABLE and free draining.
2. Ensure that the site area is free from any sharp objects such as stones and roots.
3. Do not place the tank on beams or a wooden pallet with interval spaces.
4. If the location is on a sloping section ensure that the mounting site, surrounding the area is level and will remain free from any erosion in the future.
5. When lifting the tank use all lifting lugs and never lift the tank with water in it. A 7500 Litre tank weighs 175kg when empty and 7800kg +/- when full.
6. A compacted sand bedding area of at least 100mm deep is required which is retained so that the sand cannot wash away.
7. There should be a minimum sand base of at least 250mm more on either side of the tank refer to Figure 1.
8. It is preferable that the tank is not buried however if it is unavoidable than the maximum depth must not exceed 1/3 of the tanks side wall height.
9. The tank can be placed on a smooth concrete surface however the pad must be constructed to handle the weight of the tank when full. Failure to do so will result in the concrete cracking which will provide an uneven surface and unnecessarily stress the tank.
10. Take care with the preparation of the site area and when handling the tank. Once in place inspect around the bottom of the tank to ensure that there is no gaps between the surface and tank.

### **Installation**

1. When installing the tank ensure that all pipe work from the tank is supported. It is important not to allow the weight of the pipe work to rest on the wall of the tank without being fully supported.
2. A flexible hose must be installed between the out let fitting and pipe. This provides less stress on the tank fittings by allowing for pump vibration, surging and expansion and contraction of the tank.
3. Water pumps must not be directly installed to the side of the tank.
4. Air and water must be able to escape at the same rate as the water is being pumped in or out to avoid a possible internal pressure or vacuum.
5. Pipe the overflow away from the foundation to prevent erosion
6. A 1/2 " - 3" fitting of your choice is spun welded 75mm from the bottom of the tank. We recommend that thread tape be used on all fittings to avoid leaks which could lead to possible erosion and under mining of the tank foundation. Do not over tighten fittings when installing in to the tank.
7. Do not back fill against the tank and Do Not Bury the Tank.

**Figure 1**



### Ongoing Maintenance

It is important that the area around the tank is inspected regularly to ensure that there is no erosion or under mining of the foundation that will put unnecessary stress on the tank.

The outlet pipe must also be checked regularly to ensure that it is not blocked and that water can flow freely from it.

**Please note** these are general preparation and installation instructions, please read Plastic Systems 10 Year Warranty for complete details.

Plastic Systems Ltd advises owners that the company will not be responsible for any other related costs incurred in repairing or replacing of the tank in accordance with the requirement of the Consumers Guarantee Act. It is recommended that reasonable access to the tank be available at all times.