Tanks Direct TD1100/2000/3000 - General installation terms.

Wherever water is present in the excavation, the excavation should be de watered using suitable pumping equipment and this should continue until the installation is complete.

Ensure there is an adequate water supply to fill all units. This is essential in the installation. Tanks must not be installed without the water level in the tank in accordance to the instructions below.

Ideally the tank should remain full of liquid during its entire life. Whenever the tank is emptied periodically for maintenance etc, it should be immediately filled again with water.

Where there is a risk of ground water table rising above the base of the tank, the tank must remain full at all times. Where this is not possible obtain advice from a qualified engineer regarding anti flotation measures

The entire excavation must be lined with a continuous layer of 1200 gauge polythene sheeting. This must be overlapped along the top and tied in to ensure that no water can penetrate the liner.

Place concrete onto base slab/bed (concrete min grade 15 N/mm2/ slump 25mm). Concrete bed should be a minimum thickness as detailed above, with suitable reinforcement to suit the ground conditions. Lightly tamp the concrete and then lower the product/products onto the wet concrete, ensuring that levels are correct and that connecting pipe work is properly aligned.

Fill tank with approximately a third full of water. Haunch a substantial amount of concrete around bottom edge of tank to a height just below the water level. Allow to set, care must be taken to ensure that the base of the tank is uniformly supported, thereby avoiding point loads.

Continue to backfill with concrete, proceeding in at least 2 pours /layers allow setting in between pours. Ensure that water level inside tank is always at least 50% more than the height of the level of concrete on the outside. Efforts should be made to ensure that there are no voids within the concrete. Under no circumstances should a vibrating poker be used. Concrete should not be allowed to fall directly onto the tank.

We suggest that concrete is left to set at the fourth pour, which will be approximately 2/3rd's the level, before continuing with the final pour, particularly on the larger units

Before the next pour, connect both inlet and outlet pipes with connecting pipe work. This should be installed to manufacturer’s instructions

The top section should either be separately shuttered to give a 250 concrete surround; if shuttering is not used then the concrete should be poured in two pours from the invert of the pipe work.

The concrete should finish level with the top of the unit/units. Manhole covers should be installed to manufacturer’s instructions.

Tank is not load bearing, lid will support light pedestrian use.