



The new household name
in water tanks



6000L SEPTIC TANK INSTALLATION

The following minimum guidelines should be adhered to when installing below ground waste water treatment tanks, septic or conservancy tanks.

Installation should be carried out / supervised by an authorised and competent person to avoid failure.

- Dig a hole that is a minimum of 600mm longer, 600mm wider and 300mm deeper than tank dimensions. Depth of excavation is dependent on your invert level to ensure proper flow.
- For tanks with capacity less than 6000L, prepare a river sand / cement mixture bed (ratio: 1 cement to 10 sand) 150mm thick, level and compact. (Use a bit of water to damp the sand mixture while compacting).
- For tanks 6000L and larger, prepare a smooth concrete reinforced bed (cast-in-situ slab) of 150mm thick. The bed should be 200mm larger (longer and wider) than the tank footprint.
- Place tank on prepared surface ensuring it is level.
- Prepare a dry river sand / cement mixture (1 part cement to 20 parts river sand) also described as inert granular material, soilcrete mix of 5% cement to 95% inert granular material or cement slurry.
- Start backfilling around the tank. Note, it is essential to stamp damp granular backfill material under and between the legs of the tank to a depth of at least 350mm above the cast-in-situ concrete slab or compacted bed.
- Fill the tank with clean water to the level of the backfill mark.
- Continue with backfill as described above another 250mm above water line, damp stamping the sand mixture as you go. (Compacted to 90% Mod AASHO).
- Fill tank upto the backfill line. Continue this process until you have reached the top of the tank and water is flowing out the outlet hole. (Water and backfill in 250mm increments).
- **Excavated material consisting of stones, rocks, peat or clay CANNOT BE USED as backfill material.**
- Due to the weight of the material (sand, ground etc) lying on the tanks, tanks placed deeper than 2 meters (2000mm) below ground level, MUST HAVE a 150mm concrete slab thrown above the tank, overlapping 1000mm in all directions over undisturbed ground.
- When purchasing a tank and a "Deep Installation" is envisaged, please call our office to register your tank as a "deep installation". We are here to advise you on the best installation principals as well as offer step by step support.
- Technicians are also available to supervise your project at a nominal fee.

