

SITING YOUR ELETANK - ELE5000 (25,000 Litres)

PREPARATION AND SITING FOR ELETANK

Try to locate your tanks away from the immediate vicinity of buildings to allow for future expansion and easy access for the Fire Service. Gone are the days when tanks are placed close to the house and downpipes run through the air. A few extra lengths of pipe now are less expensive than moving the tanks later. Rainwater is one of the few commodities that is free, so plan to collect water from all roof areas existing and proposed.

Delivery is relatively simple with the use of a large Hiab truck.

Allow 4.25 metres wide and 3.7 meters high for access for the delivery truck and its load.

Correct site preparation is essential. The loading must be transmitted through the floor onto the foundation – your ELETANK when filled with water will weigh 29,000Kgs.

The foundation requirements are for a bearing for 100kPa – the same as a house foundation.

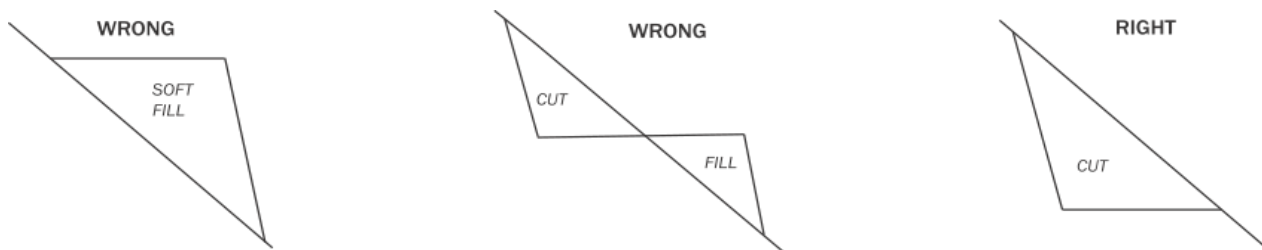
The site is to be chosen on virgin soil, flat and level and 4.1sqm. On this area spread a 100mm thickness of sand or fine metal. This equates to approximately 1.5 cubic metres. For sites where the tank is to be partially buried care must be taken to ensure that the bottom of the site is well drained to prevent Flotation of the tank when empty. (Specially designed tanks (ELE5000FLAT) are available for situations where the tank has to be completely buried.)

Do not back fill around your ELETANK until the tank has been filled with water for the first time.

Connections between dual tanks should be flexible to allow for differential site settlement and earth movement.

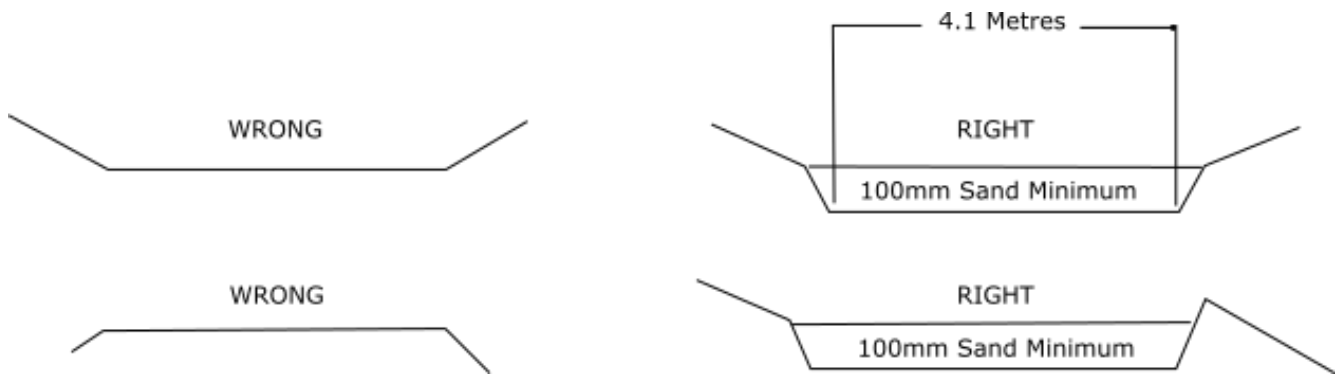
Protect Your Investment with Correct Site Preparation

Because water tanks are extremely heavy when full (29,000Kg), this type of loading demands a good foundation so that all the weight is distributed evenly on to solid ground.



If the site is off-level, the ELETANK will not sit plumb and will look odd. A level and straight edge must be used to avoid this. We recommend that the area designated for the tank be a prepared 4.1 metres square.

NOTE: Besides being level, the site **MUST** be flat to allow the ELETANK to sit evenly. If it is convex, concave or corrugated, the base of the ELETANK will bend to take on this ground shape when full. This pressure creates stress at the joint where the walls of the ELETANK meet the base and can cause leaks. A tolerance of 25mm - 100mm, is permitted over the site.



Because it is very difficult to get a site dead level on solid ground a cushion course or gasket of 100mm of loose moving material such as scoria, sand, builders mix, fine metal etc; is required to blind out small irregularities in the solid foundation. This cushion course must not be used to overlay uneven or soft ground instead of preparing a proper site initially.

After the ELETANK is delivered, the cushion course should be sealed in by placing soil or similar material around the base of the ELETANK and up the walls about 100mm. This prevents material such as sand being washed or blown away after delivery, thus creating holes under the base of the ELETANK and the danger of uneven weight distribution when the ELETANK is full. (Overflow should be piped well away from the foundation to avoid erosion).

ELETANKS are delivered by lifting off a truck with a rear mounted Hiab. The truck needs to have clearance from fences, banks, buildings etc.

OTHER POINTS TO WATCH ARE -

- 1| That the ELETANK will be low enough to catch the water from you lowest roof line
- 2| There are no overhead wires, branches etc, blocking the access of the loaded ELETANK delivery truck
- 3| The ground is firm enough for the truck and there are no holes, drains or septic tanks etc, to fall into
- 4| Do not completely fill your ELETANK after delivery. Allow gradual filling if possible

When siting your concrete water tank please remember that your ELETANK weighs 7000kg and a FLAT TOP TANK weighs 9000kg. Although it is simple to handle with the equipment we utilise; this equipment is specialised and very expensive. This equipment is not widely available, with the alternative being a separate crane and flat-deck truck.

Because the ELETANKS are 3.62 metres wide at the roof they are a wide-load and require a pilot on the road. The pilot and pilot vehicle are required by law and operate under stringent conditions with time restrictions. Due to these requirements our deliveries can be prone to delay.

Please ensure that you do not have other contractors (eg: plumbers, diggers) waiting on site specifically for your ELETANK delivery. The Company will not accept responsibility for your contractor's costs.

Remember that on arrival our pilot vehicle driver checks your site is correct as per the instructions above and assists our contractor with the siting procedure. If not correct, extra waiting time will be chargeable.

There is no need for other contractors to be there unless special site conditions apply. However, we do recommend that the owner of the property is on-site so that the ELETANK is positioned exactly where envisaged (provided this is practical).

We allow 30 minutes to site an ELETANK. Any extra time on site is chargeable at the delivery contractor's discretion.

If you are experiencing any delivery problems or if you require further information regarding your site, please contact our office for advise

*NOTE| Guarantee is only valid if the site meets these requirements
Buried tanks require special preparation, see separate siting sheet for details*

**FOR SALES & SERVICE PHONE
0800 ELE 222**



ADDITIONAL SPECIFICATIONS FOR
FLAT TOP WATER TANKS
BURIED IN THE GROUND

PROTECT YOUR INVESTMENT WITH CORRECT SITE PREPARATION.
FOLLOW THE ADVICE AND INSTRUCTIONS ON THE ATTACHED SITING SHEET.

When tanks are placed below ground adequate sub drainage MUST be provided to stop tanks rising when empty due to rising water tables

Access MUST be provided through the TOP of the buried tanks

If multiple tanks are installed under ground, coupling together would be preferred at the TOP

All joints between tanks are to be FLEXIBLE

If compacting around in-ground tanks, FILL TANKS FIRST, before compacting starts

If installing tanks under a floor, the floor MUST be designed to carry the loading

Tanks should not be buried more than the 300mm riser height without engineering advice

Installation of buried tanks - in special conditions ie: under floor - must be supervised by a REGISTERED ENGINEER

**Please Note: This siting sheet is used in conjunction with
"SITING YOUR ELETANK" information sheet**

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