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Precast Tanks – Installation Procedures & Delivery Info

Proper installation of a precast tank is critical for it to function properly. Failure can be attributed to incorrect procedures during installation.

Tank Specifications:

1. Excavation: Care must be taken to ensure that the bottom of the hole is compacted and level with a properly prepared base of 6 – 8" of sand. Obstructions such as rocks or uneven clay will create point loading and may cause structural failure and void any warranty.
2. Excavation should be at least 18" larger than the tank to allow space for placement and proper backfilling.
3. Backfill carefully and uniformly around the tank first, then on top. If wet conditions exist, backfill with dry fill. Backfill should be free from rocks or debris. Where clay is the excavated material a granular / sandier type of backfill should be used. The encasement or surrounding material of the tank should be granular type not clay.
4. Proper drainage around and above the tank is important. At the surface the ground should be slightly raised so that water does not pool around the cover.
5. Burial Depth: The top of the tank should be buried above the normal water table, and below the frost line.
6. If installing a tank that will not be hooked up and used right away fill it with water. Do not leave a tank empty underground for long periods of time.
 - If there is a high water table an empty tank can shift and cause damage or misalignment to the piping or where the extension meets the tank, causing an improper seal.
 - Having an empty vessel underground in a high water table will cause water to seep into the tank. Filling the tank with water will equalize the pressure inside and outside of the tank.
7. Tank should be in a location where it will not be driven over. Tank is not designed for live loads.
8. Overloading due to excessive burial depth, live loads, improper surface moisture drainage or water table problems may cause ground water seepage or structural failure and void any warranty.

Never enter a septic tank or sewage holding tank once it has been put into use



Tank Delivery Terms:

1. Tanks are installed by Expocrete into excavated hole at site. Excavated hole to be ready for installation. Your quoted delivery price includes 1 hour unloading time. Waiting time will be charged at \$100.00/hour beyond the first hour.
2. Site to be level and compact within 10 feet of excavated hole for access of boom truck.
3. Site must be easily accessible by our trucks, clear of debris and hazards. Truck will not enter site in the case of wet/muddy site conditions. If truck is dispatched to site and cannot offload due to site conditions full delivery charge still applies.
4. Delivery price is based on delivery being made during normal working hours

Tank Types:

All tanks are rectangular. Refer to drawings for more detailed info

Capacity (Gal) & Type of Tank	Weight (lbs)	Length x Width x Height	Height to bottom of Inlet	Septic Chamber Capacity	Pump-Out Chamber Capacity	Maximum Burial Depth from top of tank
500 B Septic Tank 2 compartment pump-out	5,700	8'0" x 4'0" x 4'4"	41"	322 gal	135 gal	6'0"
850 B Septic Tank 2 compartment pump-out	9,500	10'6" x 6'0" x 3'9"	36"	592 gal	267 gal	6'0"
1000 B Septic Tank 2 compartment pump-out	10,600	10'6" x 6'0" x 4'6"	41 ½"	670 gal	330 gal	6'0"
625 HLP Holding Tank 1 compartment	5,300	8'0" x 4'0" x 4'0"	Inlet on Top	625 gal		4'0"
1000 HLP Holding Tank 1 compartment	9,000	10'6" x 6'0" x 3'8"	Inlet on Top	1000 gal		4'0"
1300 HLP Holding Tank 1 compartment	9,800	10'6" x 6'0" x 4'6"	Inlet on Top	1300 gal		4'0"

All tanks manufactured to meet CSA B-66 specifications using Type HS 50 Cement