

A water tank from Dart Concrete is New Zealand's Toughest Water Tank and at 22500 litres (measured to bottom of the overflow) or 5000gallons will satisfy all your water storage requirements.



Application

Rainwater from your roof is the most common and best method of water collection in New Zealand.

A 120m² roof should collect approximately 110,000 litres of water in a dry year. For a four person household this equates to around 75 litres per day and the average usage is about 150 litres. This sounds like a lot but we all know conserving water is important especially when you throw in a particularly dry Waikato Summer! Dart Concrete Water tanks will meet your storage requirements.

Tanks may be fully buried, completely out of site so as not to disturb play areas or views.

Features

- Made with high strength, high slump Certified Concrete, it is a one piece moulded concrete tank that can be partially or fully buried up to 200mm underground.
- Made with welded steel mesh encase with NZS minimum cover requirements.
- No steel fibres near the surface of the tank which rust and spall.
- 2 tonne lid rebated onto tank
- Concrete tanks are designed to keep your water cold (up to 9° cooler than other storage methods).
- Concrete tanks keep the water in the dark. This helps prevent algae growth present in some other tanks.
- Concrete water tanks are a reliable and convenient water storage in the event of fire.
- Concrete water tanks do not require additional restraints in high wind zones.
- A Dart Concrete Water Tank does not require a building consent.
- A Drive over Tank option is available suitable for light vehicle traffic.



Manufacturing standards

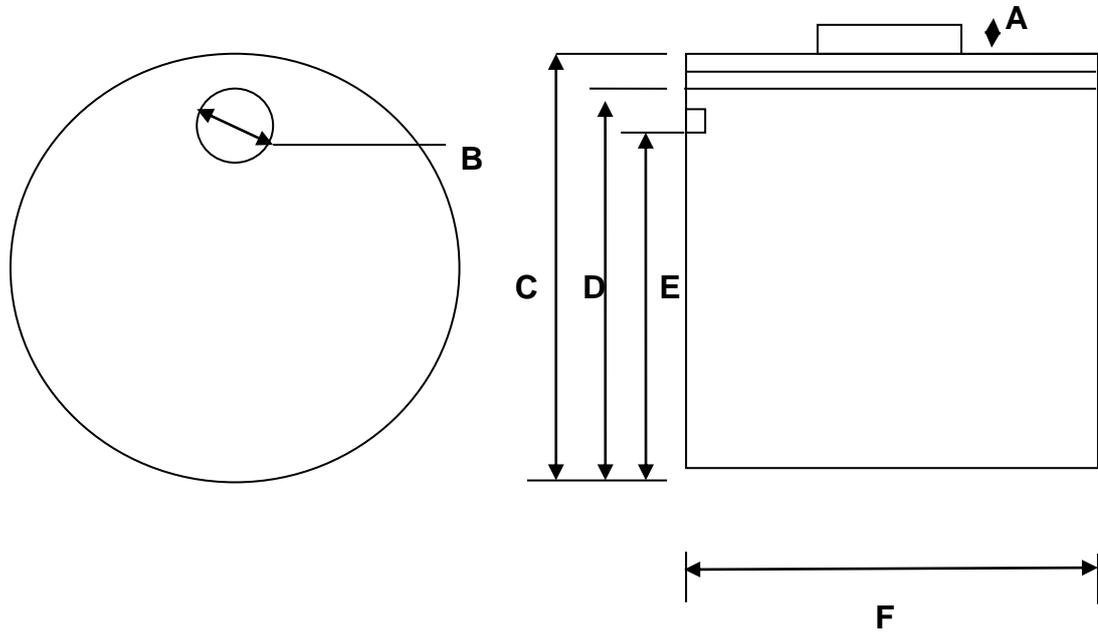
Dart Concrete Water Tanks are manufactured to standards NZS 3106 and use material that conform to NZS 3422 and NZS 3109:1997. They are manufactured using high strength concrete and fabricated circular steel reinforcement (welded steel mesh) not fibre like some other manufacturers. This helps to achieve a water tank suitable for a range of installations. The tanks have lifting anchors cast into the concrete walls.

A range of tanks are available to suit your situation:

Standard water tanks designed for pedestrian traffic only, may be completely buried with a maximum of 100mm fill cover consisting of light free draining material such as bark, scoria or mulch.

Heavy Duty Tanks are available on request. A heavy duty tank may be completely buried up to 200mm underground. These lids are sealed on delivery. Heavy Duty lids are designed to withstand either pedestrian traffic or we can cater for tanks that are required for wheel loads.

After installation of the water tank we advise that you make sure it is filled with water before backfilling.



Tank Dimensions

Code	Dimension A riser	Dimension B manhole	Dimension C Height with HD Lid	Dimension D Height to top of wall	Dimension E Height to Inlet/Outlet	Dimension F Width	Approx Weight
	mm	mm	mm		mm	mm	kgs
5000 gal	100	750	2850	2700	2550	3500	10000



Our tanks are delivered using our trucks each with a 15 tonne crane positioned at the back of the deck. The site for the truck to park to offload must be level and allow for the truck to back up to the tank site. The truck must then be able to put out the outrigger/stabilising legs to extend a total of 10 metres as per the photos below. The stabiliser legs can not be put onto fill, they must be supported by solid ground. The truck cannot unload off the side or on uneven ground. The crane is able to reach out approximately 3-6m from the rear of the truck depending on tank model and size and only if these conditions have been met.



Please make sure:

1. There are no overhead wires, branches, gate posts, etc blocking the access of the loaded Tank and Truck. The driver will take as much care as possible not to damage property but will not be held accountable for damage due to restricted access.
2. The ground is firm enough for the truck. Make sure there are no holes, drains etc to fall into. If you have a wet site please have a digger or appropriate machinery on site.
3. Siting requires a level site and a good foundation so that all the weight is distributed evenly on solid ground. The truck will not be stable on fill. Please ensure the digging material has been placed so that the truck can access the site.
4. Crane legs must be able to be extended on flat level ground that is solid virgin country – not fill, preferably in accordance with NZS 3604.
5. Your tank site needs to be flat and level. It is advisable to set the tank onto a base of fines of 7mm granular material and this should be on a base of compacted material. If there is any doubt that the fines may be washed out over time, it is advisable to box them in. The area should be free of rocks, tree roots and other protrusions that may cause pressure points.

Please have your site prepared for our truck as we allow 30 minutes per tank on site. Please note: Site preparation is the purchasers' responsibility however we would be happy to carry out a site visit prior to delivery to assist in your preparation. Any site work by our company will be at your cost.