

# Promax Water Tank

## Installation Guide 2021



**Promax**

LIQUID MANAGEMENT SOLUTIONS

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# Water Tank Installation Specifications

## Promax Water Tanks must be installed according to these instructions.

- Failure to follow these installation instructions will void the warranty and may result in tank failure.
- Proper installation of tanks is required to prevent tank damage and ensure long term trouble free service.
- It is imperative to read and understand the instructions below prior to any installation commences.
- Promax will not be held liable for any cost associated with poor installation.
- Promax Enduro and Xpress Tanks are only to be used for storing water at ambient temperatures.

## 1. Delivery

Our Big Tanks (10000L - 30000L) are delivered free delivery to your property. All other products will be delivered via Mainfreight unless otherwise specified.

Transportation to the actual site and installation is the risk and responsibility of the purchaser. Where there is suitable road access, our drivers may agree to off-load closer to the installation site, however please note that this will be at the purchaser's risk and drivers discretion. All aboveground tanks 10000L - 30000L are delivered nationwide on our fleet of purpose-built trucks. The clearance required for our truck and trailer is 22 metres long, 5 metres high and 3.5 metres wide. The truck only (without the trailer) is 11 metres long, 5 metres high and 3.5 metres wide. If you require a hiab delivery, please advise us prior to arrival in order to ensure we have a hiab truck available - an additional hiab charge will apply.



You must advise Promax Plastics immediately of transport damage prior to sitting and installing your tank.

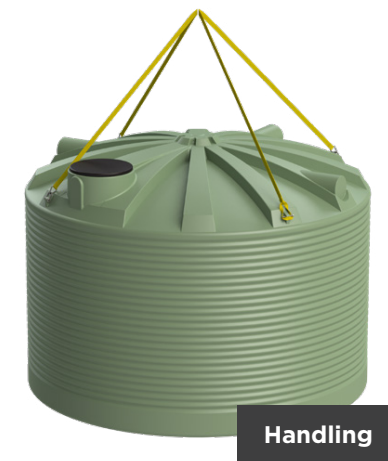
# Water Tank Installation Specifications

## 2. Handling

Promax recommends the following for normal situations where a tank is required to be lifted into position using the moulded in lifting lugs.

- All 4 x lifting lugs must be used.
- Tank must be empty of all contents - DO NOT attempt to lift a tank containing water.
- Long chains or strops to be used to lift the tank and all the same length.

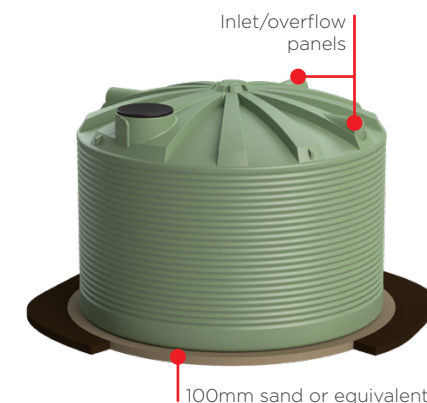
These recommendations are for ground based lifting and do not include aerial transport. Promax recommends the use of compliant lifting equipment to Work Safe New Zealand guidelines.



## 3. Tank Base Preparation #1

### Sand

- Ensure the tank site is level and free from any foreign matter or projections such as rocks, roots or stones that may damage the tank base.
- Ensure the tank site is well compacted if fill is used to prepare or level the site.
- Ensure that the tank site is at least 300mm larger in diameter than the tank.
- Use level 100mm layer of sand, fine gravel (<7mm) or crusher dust as a base to sit the tank on.
- If a sand base is used, a retaining cover must be provided to prevent sand from washing away after installation.



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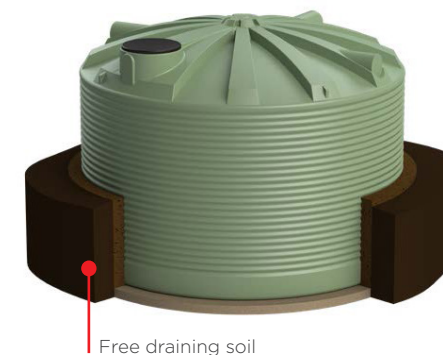
## 4. Tank Base Preparation #2

### Partially buried

Promax Enduro tanks 10000 - 30000L may be buried to 1m in ground if the following instructions are adhered to.

Promax Enduro tanks 450L - 5000L may be buried in the ground to 1/3 of their side wall height if the following instructions are adhered to.

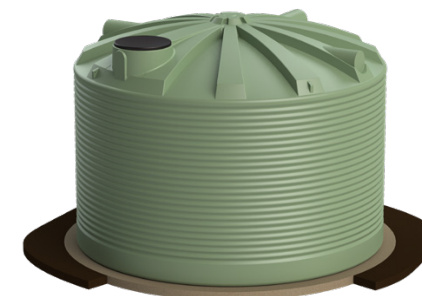
- Ensure the tank site is level and free from any foreign matter or projections such as rocks, roots or stones that may damage the tank base.
- Ensure the tank site is well compacted if fill is used to prepare or level the site.
- Ensure that the tank site is at least 300mm larger in diameter than the tank.
- Use level 100mm layer of sand, fine gravel (<7mm) or crusher dust as a base to sit the tank on.
- Tank must be filled with water to the ground level before backfilling.
- Backfill evenly around the tank with sand, clean dirt or bark. Allow to settle naturally without undue compaction.



## 5. Tank Base Preparation #3

### Concrete

- Tanks may be placed on a smooth concrete base pad providing this is constructed such that it will support the tank weight (full of water) without the possibility of cracking or shearing.
- Promax recommends a minimum 100mm mesh reinforced concrete 20MPA.



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## 6. Plumbing Your Tank

### Plumbing

It is the responsibility of the purchaser to ensure the tank is installed correctly using the guidelines supplied by Promax Plastics and best plumbing practice. If supplied, bungs are screwed in for transport only. If used permanently, remove and apply thread tape or sealant before screwing back in. This must be completed before filling the tank.

Because polyethylene water tanks expand when full, plumbing to the tank must be flexible. Polyethylene pipe does not constitute flexible plumbing. Flexi-hose needs to be used to provide sufficient flexibility.

Failure to install an overflow on your tank will void the warranty. Minimum recommended overflow size equal to the number and size of inlet pipes OR 90mm, whichever is greater, to avoid the build-up of internal pressure or vacuum. Air and water must be able to exit the tank at the combined maximum rate that it can enter. If the tank is not sufficiently vented it may suck in the dome of the tank.

- Downpipe Inlet/s can be installed through the ports moulded in the tank roof, or anywhere directly through a flat surface on the roof of the tank providing there is room for a pipe seal to seat and seal properly.
- Ballcock fed inlets are recommended to be installed within reach of the manway. A ballcock inlet does not negate the need for an overflow.
- PVC downpipes should be installed through a rubber pipe seal, seated, and sealed properly.
- PVC Downpipes can be installed through the side wall of the tank in the top 500mm of the tank wall through a rubber pipe seal. A Wallace Seal will seal through the corrugations.
- Overflow pipe/s must match the incoming pipe/s flow capacity.
- Pipe overflow away from the base of tank to prevent erosion.
- Use the appropriately sized hole saw to cut the hole for inlets and outlets.
- Pipework between tanks or rigid structures must include a flexible hose to allow for expansion & contraction.
- Do not fit any additional outlets closer than 300mm to any other outlet.
- The maximum flanged tank fitting size is 100mm.
- All fittings must be supported independently such that the fitting is causing no stress to the tank wall and base.
- Heavy unsupported loads are not permitted on the tank dome or wall - this includes standing on the dome under any circumstances or unsupported pipework.



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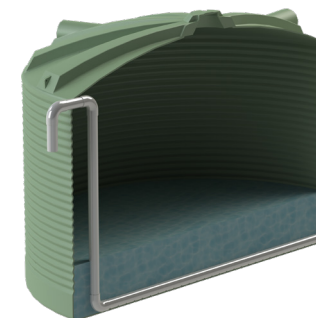
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## 7. Cleaning and Maintenance

### Cleaning and Maintenance

Your tank should be cleaned on a regular basis. We recommend you use a professional tank cleaning company to do this. A professional tank cleaning company is able to vacuum the base of your tank without emptying the water. Alternatively, you could consider installing a Tank Vac. These will remove build-up of sediment already present and help keep your tank clean all the time.

Promax recommends that you clean your tank out at least annually, however it is important to inspect your water tank on a quarterly basis



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## 8. Warranty Policy

### Warranty

Promax guarantees the original purchaser that its tanks will be free from material defects during the manufacturing process and will at its discretion replace or repair on a pro-rata basis for a period limited to:

- 20 years from date of purchase for premium PROMAX ENDURO Tanks 10,000L and above.
- 20 years from date of purchase for XPRESS Tanks 10,000L and above.
- 5 years from date of purchase for all XPRESS and PROMAX Tanks 5,000L and below.
- 5 years from date of purchase on Underground Tanks
- 2 years from date of purchase for Diesel Tanks
- 1 year on all other items

Your product must be registered on our website [www.promaxplastics.co.nz](http://www.promaxplastics.co.nz) within 30 days from delivery date. An original invoice must be provided when submitting a warranty claim. Promax warranties are not transferable.