



# Tankmasta®

Water storage made easy!

## Installation Requirements

a. Ensure that the tank site is flat and level, free from any rocks or stones etc. or any other foreign matter that may damage the tank base.

b. Base Requirements;

### *Round Tanks*

- Firm flat base with no protruding objects

### *If a base is being prepared*

- Ensure that the tank site is level and well compacted to eliminate any soft spots.
- A concrete slab must be sufficient to hold the weight of the tank and water. It must be remembered that one litre of water equals one kilogram. (i.e. a 45000lt tank will require a 100mm reinforced concrete slab to support 46 tonne, the weight of the water and tank combined).

### *Slimline Tanks*

- The narrow base of these tanks concentrates enormous pressure over a small area and makes them more susceptible to any movement or compression in their base. As a minimum, a compacted gravel base (i.e. concrete, paving) should be used but any medium that will not compact under the gross weight of the tank can be used.
- c. Ensure the tank site is at least 600mm larger in diameter than the tank, i.e. tank diameter 3.7m, tank site 4.3m.
- d. Ensure a flexible connection (i.e. food grade or wine grade pipe) at least 300mm in length is fitted between the tanks isolation valve and the downstream piping.
- e. Tie down and secure tank on delivery either by tying down with rope or putting at least 100mm of water in bottom.
- f. Tank outlets must not be subjected to any extra force, (i.e. over tightened).
- g. Suitable thread sealant (i.e. Teflon tape) must be used on all threaded joints.
- h. Overflow must be connected to the stormwater system where available, when there is no stormwater connection the overflow must be piped away from base.
- i. The overflow pipe's capacity must be equal to or greater than the number of inlet pipes, their sizes and capacities.
- j. Do not allow the tank site to deteriorate after installation due to any form of erosion or site destruction caused by vermin such as rabbits.
- k. If the tank is to be installed partially buried in the ground, ensure the base of the tank is buried no more than 600mm below ground level.
- l. Polyethylene tanks are pliable. This feature is what stops polyethylene tank from cracking with ground movement and makes them impact resistant. It also means a polyethylene tank will expand and contract as they fill, and empty. This movement is a natural feature of polyethylene and should be allowed for during installation. It will not affect the warranty or life of the water tank. A round tank can expand by approximately 3% of its original size. A slimline tank, where all the pressure is on the front and back surfaces, can expand by approximately 50mm each side.
- m. Your installation must comply with State and Local authority requirements. A minimum installation requirement should be to the guidelines stated in Standards Australia handbook HB230. All plumbing must comply with ASNZ3500. It is the purchasers responsibility to ensure these regulations are achieved. Information relevant to your local requirement should be available from the building department of your local government offices or from Standards Australia.

**NON-COMPLIANCE WITH ANY OR ALL OF THE ABOVE WILL VOID WARRANTY.**