Plastic Systems Ltd
Rotorua

Plastic Systems 10 YEAR WARRANTY

Warranty Conditions and Installation Instructions

3500, 5000, 7500 or 10,500 Litre Water Tank

Thanks for purchasing a Kiwi Tank. Our products are made with the highest level of integrity. We are confident that you will have many years of worry free use, providing your tank is installed correctly in accordance with the following instructions and conditions.

Warranty

Subject to the conditions herein Plastic Systems Limited will repair or replace (at our discretion), any water tank which has a manufacturing defect or fault that is notified to Plastic Systems Ltd within the Warranty period.

When your tank arrives please check the tank carefully for any damage sustained during delivery and notify us of any damage immediately. Polyethylene is durable and robust but can be damaged and it is important to handle your tank with care.

1. ***Warranty:***
   1.1. This Warranty applies to the tank being used for <u>water only</u> provided that;

   1.1.1. You contact Plastic Systems as soon as you notice any problems.

   1.1.2.The tank has been correctly installed as per Installation directions below

   1.1.3. The original sales invoice is provided as proof of purchase

   1.2. Plastic Systems Ltd manufacturers of Plastic Systems Tanks. Plastic Systems Ltd warrants against any defect in material and workmanship of the tank purchased to the original retail customer for ten (10) years.
   1.3. This warranty is extended only to the first person for whom the product is originally installed.
   1.4. The warranty is not transferable without the prior written permission of Plastic Systems Ltd.
   1.5. The Warranty Period is 10 years from original date of sale.

2. ***Warranty Conditions:***

   2.1. This warranty is subject to the conditions, installation instructions, site preparation and maintenance requirements detailed in this agreement.
   2.2. Plastic Systems Ltd guarantees that your tank is free from defects caused by faulty manufacture and warrants that your tank will perform the function for which it is produced; which is to hold potable water for a period not less than ten (10) years from the date of purchase.
   2.3. Where the tank fails to perform as a result of faulty manufacture within the warranty period of twenty (10) years, Plastic Systems Ltd shall at its discretion either:

a. Repair the tank at no cost to the customer, or
b. Replace the tank with a new tank at no cost to the customer on the same basis as the original sale.

2.4. Notwithstanding any obligatory requirement under the Consumer Guarantees Act, Plastic Systems Ltd will not be responsible for other costs incurred in repairing the tank or getting a replacement tank onto the tank site. This includes replacing plumbing, any contents of the tank, planting, landscaping, fences, paths, or other structures.

2.5. The faulty tank being replaced must be available for return to Plastic Systems Ltd without any further damage, unintentional or not. Damage to the tank subsequent to a claim inspection may be charged to the customer.

3. *This Warranty does not cover*

3.1. a) Any consequential losses, whether loss of profits or damage to property persons animals plants or otherwise, or any other associated costs that may occur when repair or replacement of the tank is required or carried out. Repair work is undertaken at ground level, so tanks must be brought to ground level, at owners cost, before Plastic Systems Ltd can commence repair work. All additional expenses as well as landscaping, plumbing, electrical, costs of lifting equipment and hire of additional labour are at owner's expense.
b) Colour fading
c) Normal wear and tear
d) The contents, structures, foundations, attachments, fittings or accessories
e) Storage of water at elevated temperatures including hot water and bore water.
f) Use of tank for any purpose other than the static storage of water.
g) Damage due to war, riot, civil commotion or terrorist activities or Act of God.

3.2. Warranty does not cover the replacement of any stored water lost as a result of a faulty tank nor water lost as a result of the repair or replacement of a Kiwi Tank.

The Warranty Period is 10 years from original date of sale.

INSTALLATION INSTRUCTIONS:

1. *Preparation:*

Correct site preparation is essential to ensure and long and trouble free life for your water tank.

1.1. It is essential to have your water tank on a FLAT LEVEL COMPACTED BASE. The base of your water tank must be fully supported at all times. Ensure the platform for the tank is on solid (compacted), stable (free draining) ground.
1.2. Ensure that the site area is free from any sharp objects such as stones and roots.
1.3. Do not place the tank on beams or a wooden pallet with interval spaces.
1.4. If the location is on a sloping section ensure that the mounting site, surrounding the area is level and will remain free from any erosion in the future.
1.5. When lifting the tank use all lifting lugs and never lift the tank with water in it. A 7500 Litre tank weighs 175kg when empty and 7800kg +/- when full.

1.6. A compacted sand bedding area of at least 100mm deep is required which is retained so that the sand cannot wash away.
1.7. There should be a minimum sand base of at least 250mm more on either side of the tank refer to Figure 1.
1.8. It is preferable that the tank is not buried however if it is unavoidable than the maximum depth must not exceed 1/3 of the tanks side wall height.
1.9. The tank can be placed on a smooth concrete surface however the pad must be constructed to handle the weight of the tank when full. Failure to do so will result in the concrete cracking which will provide an uneven surface and unnecessarily stress the tank.
1.10. For maximum length of use locate your tank in a shady area that will also help keep the water cool.

2. *Installation: (Failure to comply with these details will void the warranty.)*

a. Once placed in position, ensure that there are no visible gaps between the bedding sand and bottom of the tank. If so, fill the gaps.
b. Owners are advised not to enclose tanks following installation.
c. Do not allow children/adults to walk on tank domes or lids. They are not made for walking on and may pose a safety threat.
d. If livestock will have access to the tank, the area surrounding the tank must be fenced to a minimum of 1.0 meter from the tank.
e. ALL tanks must be fitted with an overflow pipe of a minimum 75mm diameter and in any case not less than the diameter of the inlet. In ALL installations, the overt of the overflow must be lower than the overt of the inlet pipe to allow the overflow to operate prior to the tank overfilling.
f. The overflow must be piped at least 300mm away from the foundation to where sand and soil are not likely to be eroded, causing damage to the foundation material at the base of the tank.
g. Stabilizing wires must secure the tank to the ground in areas prone to strong or gusty winds, particularly where the water level in the tank may vary considerably.
h. Regular maintenance of the overflow must be completed to ensure that blockages do not occur.
i. Where all other criteria relating to the installation and site preparation have been met, 1000 liters + tanks may be buried up to a maximum of 500mm.
j. In the instance the tank is to be located on an elevated structure (i.e., deck or tower) an engineer's report must be made available to the tank manufacturer, prior to installation, for approval.
k. Tanks exceeding the inlets and overflows of the tank must be cut out with a hole-saw in the designated areas. All external pipe work must be fully supported. Do not allow weight of suspended pipe work to rest on the wall of tank without being adequately supported.
l. Other than in the designated reinforced portions in the top of the tank, do not cut any holes or mount any fixture in the tank walls or domed roof, without Plastic Systems written approval.
m. BSPT (tapered) fittings must be used when connecting to the outlet. Any alterations to outlet size must be done by the manufacturer.
n. To compensate for expansion and contraction of the tank, and/or any pump vibration/surging, or pressure variance, a flexible hose or pipe must be placed between the outlet fitting and supply line to the pump as close as possible to the tank.
o. The area surrounding the tank must be fenced to a minimum of 1.0 meter from the tank, In areas where livestock have access to the tank, to avoid any damage.

p. Where 2 or 4 lifting points are provided, ensure all lifting points are used to lift the tank. Failure to do so will cause damage to the tank and void the warranty.
q. When installing the tank ensure that all pipe work from the tank is supported. It is important not to allow the weight of the pipe work to rest on the wall of the tank without being fully supported.
r. A flexible hose must be installed between the out let fitting and pipe. This provides less stress on the tank fittings by allowing for pump vibration, surging and expansion and contraction of the tank.
s. Water pumps must not be directly installed to the side of the tank.
t. Air and water must be able to escape at the same rate as the water is being pumped in or out to avoid a possible internal pressure or vacuum.
u. Pipe the overflow away from the foundation to prevent erosion
v. A 1/2 " - 3" fitting of your choice is spun welded 75mm from the bottom of the tank. We recommend that thread tape be used on all fittings to avoid leaks which could lead to possible erosion and under mining of the tank foundation. Do not over tighten fittings when installing in to the tank.
w. Do not back fill against the tank and **Do Not Bury** the Tank.

3. *MAINTENANCE:*

a. INSPECT THE BASE REGULARLY checking for, and rectifying, any undermining by water run-off or animals borrowing. It is advisable to bury wire mesh to a minimum depth of 600mm in a narrow trench around the foundation perimeter, where burrowing animals are present.
b. The foundation will probably settle slightly. The polyethylene is sufficiently elastic to conform to the ground shape without damage to the tank. However erosion of the bedding sand from around the wall edges must be replaced and the cause of such erosion eliminated or minimized. This could cause failure of the tank and void the warranty.
c. Ensure that the overflow pipe never becomes blocked as excessive pressure could build up inside the tank. This could cause failure of the tank and void the warranty.

Important Information

FAILURE TO COMPLY WITH THE SITE PREPARATION, INSTALLATION & MAINTENANCE INSTRUCTIONS WILL INVALIDATE THE WARRANTY.

Please retain these Warranty and Installation, and site preparation details in a safe place for your future reference.

Plastic Systems Ltd
Rotorua

To validate your tank warranty, please complete the attached warranty registration form below and mail back to:

Plastic Systems Ltd
PO Box 102
Rotorua

Tank Size: _____ Colour: _____

Purchased From:
_____

Invoice Number: _____ Date Purchased: _____

Installed by:
_____

Date Installed: _____ Product in Tank: _____

Fitting Size(s):
_____

Customer Name:
_____

Customer Signature _____

Installer Signature: _____

If we can be of further assistance in the future please telephone us on Phone 0800 768 666